

- LOW VOLTAGE FIRE RESISTANT CABLES
- FLEXIBLE CABLES
- MEDIUM VOLTAGE HIGH VOLTAGE EXTRA HIGH VOLTAGE CABLES
- LOW VOLTAGE POWER & INSTRUMENTATION CABLES

ASIAN WIRE & CABLE

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HIGH VOLTAGE
EXTRA HIGH VOLTAGE

Asian Wire and Cable



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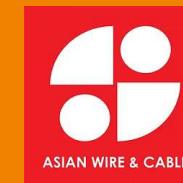
UNPARALLELED SUCCESS

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SINCE 1993

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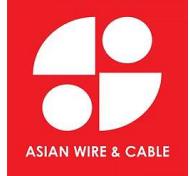
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OUR VISION WORLD LEADER
THAT SETS THE BECNHMARK FOR
QUALITY AND EXCELLENCE

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About Us



TEAMWORK

INNOVATION

WIN-WIN

Established in 1993, Asian Wire and Cable specializes in manufacturing wires and cables. The company is also an enterprise collection of R & D, Sales and Services. The main products include Power Cables, Electrical Cables, Control Cables, Housing Wires (CCC Approval), Mineral Insulation Cables, Prefabricated Branch Cables.

Our mission is to consistently engineer, produce, and deliver exceptional cable solutions that empower connectivity across industries and geographies. By adhering to the highest standards of innovation, craftsmanship, and environmental responsibility, we aim to exceed our customers' expectations and contribute to the advancement of global technological progress. Through collaborative partnerships, cutting-edge research, and a commitment to continuous improvement, we strive to create lasting value for our customers, employees, stakeholders, and the communities we serve. Our unwavering dedication to excellence drives us forward on the path to becoming the foremost global leader for superior cables that power the connections of today and tomorrow.

WORLD-CLASS MANUFACTURING We are committed to bring world-class manufacturing to our customers through standardization of processes and manufacturing high quality products. Striving to improve and standardize our Production models and business processes, we also aim to reduce lead time and manufacturing costs of building materials.

UNPARALLELED CUSTOMER SERVICE

In this highly competitive industry, we are also driven to focus on our R&D in order to fulfil an extensive range of our customers' requirements and standards.

STRINGENT QUALITY CONTROL We believe that our strong customers' satisfaction comes from our "Best or Nothing" quality control. We have a strong quality control system to ensure that we complete every project to the highest industry standards. We have a strong quality control system that begins from the purchasing, warehouse, production, packaging, and transportation to ensure professional quality is maintained throughout.

With this commitment, we are able to assist our customers to manufacture cables of various standards that include CCC, ISO9002, CE, ROHS, VDE, TIR, SAA, SON CAP, SIRIM, UL, CSA, JET, SAA, SEMKO, NEMKO, FIMKO, DEMKO, SEV, OVE, CEBEC, CNS, PSB, etc. At Asian Wire and Cable, we believe that with quality comes longevity and with customer satisfaction comes growth.

Our Mission



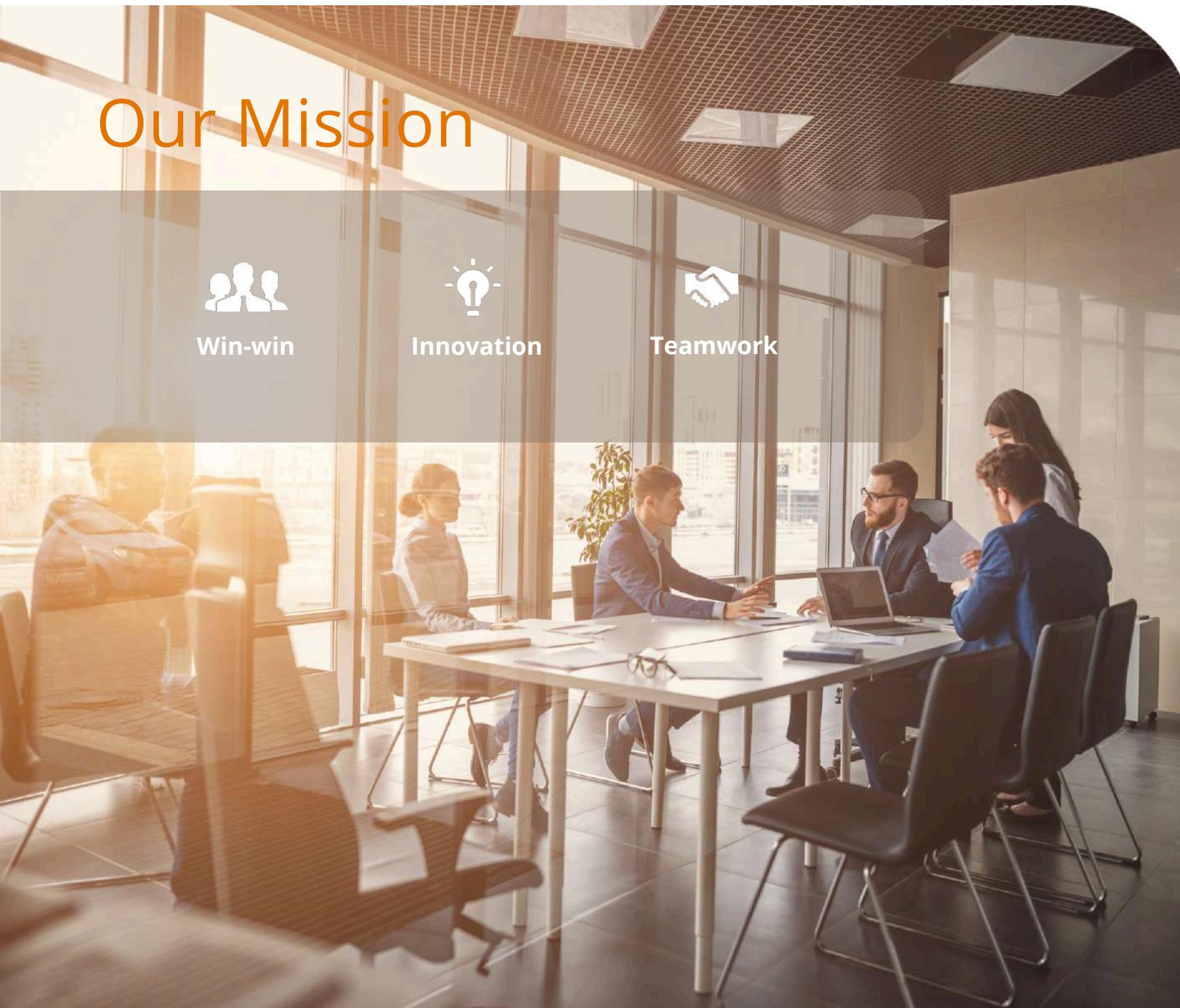
Win-win



Innovation



Teamwork



Our mission is to consistently engineer, produce, and deliver exceptional cable solutions that empower connectivity across industries and geographies. By adhering to the highest standards of innovation, craftsmanship, and environmental responsibility, we aim to exceed our customers' expectations and contribute to the advancement of global technological progress. Through collaborative partnerships, cutting-edge research, and a commitment to continuous improvement, we strive to create lasting value for our customers, employees, stakeholders, and the communities we serve. Our unwavering dedication to excellence drives us forward on the path to becoming the foremost global leader for superior cables that power the connections of today and tomorrow.

OUR BUSINESS PHILOSOPHY

WE VALUE RELATIONSHIPS &
SUSTAIN TRUST WITH OUR
VALUED STAKEHOLDERS



Production Equipment



Good Service with Sincerity

Production Equipment





Quality Inspection Center



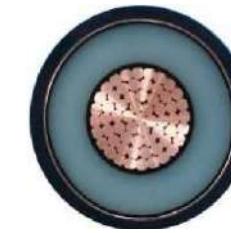
Good Service
with Sincerity



Product Details

- P02 MEDIUM VOLTAGE CABLES 1.8/3(3.6) kV, NON-ARMOUR 1 CORE CU/XLPE/CTS/PVC
- P03 MEDIUM VOLTAGE CABLES 3.6/6(7.2) kV, NON-ARMOUR 1 CORE CU/XLPE/CTS/PVC
- P04 MEDIUM VOLTAGE CABLES 8.7/15(17.5) kV, NON-ARMOUR 1 CORE CU/XLPE/CTS/PVC
- P05 MEDIUM VOLTAGE CABLES 12/20(24) kV, NON-ARMOUR 1 CORE CU/XLPE/CTS/PVC
- P06 MEDIUM VOLTAGE CABLES 18/30(36) kV, NON-ARMOUR 1 CORE CU/XLPE/CTS/PVC
- P07 MEDIUM VOLTAGE CABLES 1.8/3(3.6) kV, NON-ARMOUR 3 CORES CU/XLPE/CTS/PVC
- P08 MEDIUM VOLTAGE CABLES 3.6/6(7.2) kV, NON-ARMOUR 3 CORES CU/XLPE/CTS/PVC
- P09 MEDIUM VOLTAGE CABLES 6/10(12) kV, NON-ARMOUR 3 CORES CU/XLPE/CTS/PVC
- P10 MEDIUM VOLTAGE CABLES 8.7/15(17.5) kV, NON-ARMOUR 3 CORES CU/XLPE/CTS/PVC
- P11 MEDIUM VOLTAGE CABLES 12/20(24) kV, NON-ARMOUR 3 CORES CU/XLPE/CTS/PVC
- P12 MEDIUM VOLTAGE CABLES 18/30(36) kV, NON-ARMOUR 3 CORES CU/XLPE/CTS/PVC
- P13 MEDIUM VOLTAGE CABLES 1.8/3(3.6) kV, DOUBLE ALUMINIUM TAPE ARMOUR 1 CORE CU/XLPE/CTS/PVC/DATA/PVC
- P14 MEDIUM VOLTAGE CABLES 3.6/6(7.2) kV, DOUBLE ALUMINIUM TAPE ARMOUR 1 CORE CU/XLPE/CTS/PVC/DATA/PVC
- P15 MEDIUM VOLTAGE CABLES 6/10(12) kV, DOUBLE ALUMINIUM TAPE ARMOUR 1 CORE CU/XLPE/CTS/PVC/DATA/PVC
- P16 MEDIUM VOLTAGE CABLES 8.7/15(17.5) kV, DOUBLE ALUMINIUM TAPE ARMOUR 1 CORE CU/XLPE/CTS/PVC/DATA/PVC
- P17 MEDIUM VOLTAGE CABLES 12/20(24) kV, DOUBLE ALUMINIUM TAPE ARMOUR 1 CORE CU/XLPE/CTS/PVC/DATA/PVC
- P18 MEDIUM VOLTAGE CABLES 18/30(36) kV, DOUBLE ALUMINIUM TAPE ARMOUR 1 CORE CU/XLPE/CTS/PVC/DATA/PVC
- P19 MEDIUM VOLTAGE CABLES 1.8/3(3.6) kV, STEEL TAPE ARMOUR 3 CORES CU/XLPE/CTS/PVC/DSTA/PVC
- P20 MEDIUM VOLTAGE CABLES 3.6/6(7.2) kV, STEEL TAPE ARMOUR 3 CORES CU/XLPE/CTS/PVC/DSTA/PVC
- P21 MEDIUM VOLTAGE CABLES 6/10(12) kV, STEEL TAPE ARMOUR 3 CORES CU/XLPE/CTS/PVC/DSTA/PVC
- P22 MEDIUM VOLTAGE CABLES 8.7/15(17.5) kV, STEEL TAPE ARMOUR 3 CORES CU/XLPE/CTS/PVC/DSTA/PVC
- P23 MEDIUM VOLTAGE CABLES 12/20(24) kV, STEEL TAPE ARMOUR 3 CORES CU/XLPE/CTS/PVC/DSTA/PVC
- P24 MEDIUM VOLTAGE CABLES 18/30(36) kV, STEEL TAPE ARMOUR 3 CORES CU/XLPE/CTS/PVC/DSTA/PVC
- P25 MEDIUM VOLTAGE CABLES 1.8/3(3.6) kV, ALUMINIUM WIRE ARMOUR 1 CORE CU/XLPE/CTS/PVC/AWA/PVC
- P26 MEDIUM VOLTAGE CABLES 3.6/6(7.2) kV, ALUMINIUM WIRE ARMOUR 1 CORE CU/XLPE/CTS/PVC/AWA/PVC
- P27 MEDIUM VOLTAGE CABLES 6/10(12) kV, ALUMINIUM WIRE ARMOUR 1 CORE CU/XLPE/CTS/PVC/AWA/PVC
- P28 MEDIUM VOLTAGE CABLES 8.7/15(17.5) kV, ALUMINIUM WIRE ARMOUR 1 CORE CU/XLPE/CTS/PVC/AWA/PVC
- P29 MEDIUM VOLTAGE CABLES 12/20(24) kV, ALUMINIUM WIRE ARMOUR 1 CORE CU/XLPE/CTS/PVC/AWA/PVC
- P30 MEDIUM VOLTAGE CABLES 18/30(36) kV, ALUMINIUM WIRE ARMOUR 1 CORE CU/XLPE/CTS/PVC/AWA/PVC
- P31 MEDIUM VOLTAGE CABLES 1.8/3(3.6) kV, STEEL WIRE ARMOUR 3 CORES CU/XLPE/CTS/PVC/SWA/PVC
- P32 MEDIUM VOLTAGE CABLES 3.6/6(7.2) kV, STEEL WIRE ARMOUR 3 CORES CU/XLPE/CTS/PVC/SWA/PVC
- P33 MEDIUM VOLTAGE CABLES 6/10(12) kV, STEEL WIRE ARMOUR 3 CORES CU/XLPE/CTS/PVC/SWA/PVC
- P34 MEDIUM VOLTAGE CABLES 8.7/15(17.5) kV, STEEL WIRE ARMOUR 3 CORES CU/XLPE/CTS/PVC/SWA/PVC
- P35 MEDIUM VOLTAGE CABLES 12/20(24) kV, STEEL WIRE ARMOUR 3 CORES CU/XLPE/CTS/PVC/SWA/PVC
- P36 MEDIUM VOLTAGE CABLES 18/30(36) kV, STEEL WIRE ARMOUR 3 CORES CU/XLPE/CTS/PVC/SWA/PVC
- P37 MEDIUM VOLTAGE CABLES 15 kV, NON-ARMOUR 1 CORE CU/XLPE/CTS/PVC
- P38 MEDIUM VOLTAGE CABLES 25 kV, NON-ARMOUR 1 CORE CU/XLPE/CTS/PVC

MEDIUM VOLTAGE CABLES
1.8/3(3.6) kV, , NON-ARMOUR
1 CORE CU/XLPE/CTS/PVC



Application

Used for urban networks. Exposed in aerial, direct burial, conduit, open tray and underground duct installation.

Construction:

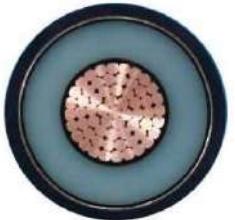
Conductor :	Compact round stranded anneal copper
Conductor Screen :	Semi-conducting Cross-linked Polyethylene
Insulation :	XLPE (Cross-linked Polyethylene)
Insulation Screen :	Semi-conducting Cross-linked Polyethylene
Metallic Shield :	Annealed copper tape (CTS)
Filler :	Non-hygroscopic material
Wrapping Tape :	Polyester / Non-woven tape --
Inner Sheath :	Polyester / Non-woven tape
Armour :	Black PVC (Polyvinyl Chloride)
Wrapping Tape :	Outer Sheath :

Technical Data:

Voltage :	1.8/3(3.6) kV
Reference :	IEC 60228 & IEC 60502-1
AC Testing Voltage :	6.5kV
Temperature :	90oC (normal operation)
Temperature :	250oC (short circuit at 5s max. duration)
Properties upon request :	Flame-retardant sheath LSHF sheath (PE) Polyethylene sheath

Nominal cross-sectional area of conductor Core x (mm ²)	Number and diameter of wires (no/mm)	Thickness of insulation (mm)	Nom. Dia. Of Armour Wire (mm)	Thickness of oversheath (mm)	Approx overall diameter (mm)	Approx net weight (kg/km)	Maximum Conductor Resistance at 20oC (Ohm/km)	Ampacities direct burial in ground at 30oC (A)	Ampacities in free air at 40oC (ambient) (A)
1 x 10	6	2.0	-	1.4	14	280	1.83	90	100
1 x 16	6	2.0	-	1.4	15	360	1.15	115	125
1 x 25	6	2.0	-	1.5	17	470	0.727	150	165
1 x 35	6	2.0	-	1.5	18	590	0.524	180	200
1 x 50	6	2.0	-	1.5	19	750	0.387	210	240
1 x 70	12	2.0	-	1.6	21	970	0.268	260	295
1 x 95	15	2.0	-	1.7	23	1250	0.193	310	365
1 x 120	18	2.0	-	1.7	24	1510	0.153	350	420
1 x 150	18	2.0	-	1.8	26	1820	0.124	395	475
1 x 185	30	2.0	-	1.8	28	2180	0.0991	450	545
1 x 240	34	2.0	-	1.9	30	2750	0.0754	520	640
1 x 300	34	2.0	-	2.0	33	3360	0.0601	585	740
1 x 400	53	2.0	-	2.1	36	4370	0.0470	670	850

MEDIUM VOLTAGE CABLES
3.6/6(7.2) kV, XLPE INSULATED,
PVC SHEATHED NON-ARMOUR
1 CORE CU/XLPE/CTS/PVC



Application

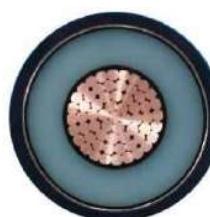
Used for urban networks. Exposed in aerial, direct burial, conduit, open tray and underground duct installation.

Construction:

Conductor :	Compact round stranded anneal copper
Conductor Screen :	Semi-conducting Cross-linked Polyethylene
Insulation :	XLPE (Cross-linked Polyethylene)
Insulation Screen :	Semi-conducting Cross-linked Polyethylene
Metallic Shield :	Annealed copper tape (CTS)
Filler :	Non-hygroscopic material
Wrapping Tape :	Polyester / Non-woven tape --
Inner Sheath :	Polyester / Non-woven tape
Armour :	Black PVC (Polyvinyl Chloride)
Wrapping Tape :	Outer Sheath :

Technical Data:

Voltage :	3.6/6(7.2) kV
Reference :	IEC 60228 & IEC 60502-2
AC Testing Voltage :	12.5kV
Max. Conductor Temperature :	90oC (normal operation)
Max. Conductor Temperature :	250oC (short circuit at 5s max. duration)
Special Properties upon request :	Flame-retardant sheath LSHF sheath (PE) Polyethylene sheath



Application

Used for urban networks. Exposed in aerial, direct burial, conduit, open tray and underground duct installation.

Construction:

Conductor :	Compact round stranded anneal copper
Conductor Screen :	Semi-conducting Cross-linked Polyethylene
Insulation :	XLPE (Cross-linked Polyethylene)
Insulation Screen :	Semi-conducting Cross-linked Polyethylene
Metallic Shield :	Annealed copper tape (CTS)
Filler :	Non-hygroscopic material
Wrapping Tape :	Polyester / Non-woven tape --
Inner Sheath :	Polyester / Non-woven tape
Armour :	Black PVC (Polyvinyl Chloride)
Wrapping Tape :	Outer Sheath :

Technical Data:

Voltage :	8.7/15(17.5) kV
Reference :	IEC 60228 & IEC 60502-2
AC Testing Voltage :	30.5kV
Max. Conductor Temperature :	90oC (normal operation)
Max. Conductor Temperature :	250oC (short circuit at 5s max. duration)
Special Properties upon request :	Flame-retardant sheath LSHF sheath (PE) Polyethylene sheath

Nominal cross-sectional area of conductor Core x (mm²)	Number and diameter of wires (no/mm)	Thickness of insulation (mm)	Nom. Dia. Of Armour Wire (mm)	Thickness of oversheath (mm)	Approx overall diameter (mm)	Approx net weight (kg/km)	Maximum Conductor Resistance at 20°C (Ohm/km)	Ampacities direct burial in ground at 30°C (A)	Ampacities in free air at 40°C (ambient) (A)
1 x 10	6	2.5	-	1.4	16	310	1.83	90	100
1 x 16	6	2.5	-	1.5	17	400	1.15	115	125
1 x 25	6	2.5	-	1.5	18	510	0.727	150	165
1 x 35	6	2.5	-	1.5	19	620	0.524	180	200
1 x 50	6	2.5	-	1.6	21	800	0.387	210	240
1 x 70	12	2.5	-	1.6	22	1010	0.268	260	295
1 x 95	15	2.5	-	1.7	24	1290	0.193	310	365
1 x 120	18	2.5	-	1.7	25	1550	0.153	350	420
1 x 150	18	2.5	-	1.8	27	1870	0.124	395	475
1 x 185	30	2.5	-	1.9	29	2240	0.0991	450	545
1 x 240	34	2.6	-	2.0	32	2830	0.0754	520	640
1 x 300	34	2.8	-	2.0	35	3450	0.0601	585	740
1 x 400	53	3.0	-	2.2	38	4510	0.0470	670	850

Nominal cross-sectional area of conductor Core x (mm²)	Number and diameter of wires (no/mm)	Thickness of insulation (mm)	Nom. Dia. Of Armour Wire (mm)	Thickness of oversheath (mm)	Approx overall diameter (mm)	Approx net weight (kg/km)	Maximum Conductor Resistance at 20°C (Ohm/km)	Ampacities direct burial in ground at 30°C (A)	Ampacities in free air at 40°C (ambient) (A)
1 x 10	-	-	-	-	-	-	-	-	-
1 x 16	-	-	-	-	-	-	-	-	-
1 x 25	6	4.5	-	1.6	22	660	0.727	140	155
1 x 35	6	4.5	-	1.7	24	790	0.524	170	190
1 x 50	6	4.5	-	1.7	25	970	0.387	200	230
1 x 70	12	4.5	-	1.8	27	1210	0.268	250	285
1 x 95	15	4.5	-	1.8	28	1490	0.193	295	355
1 x 120	18	4.5	-	1.9	30	1770	0.153	335	410
1 x 150	18	4.5	-	1.9	31	2090	0.124	375	455
1 x 185	30	4.5	-	2.0	33	2470	0.0991	430	525
1 x 240	34	4.5	-	2.1	36	3060	0.0754	495	620
1 x 300	34	4.5	-	2.2	38	3700	0.0601	560	720
1 x 400	53	4.5	-	2.3	42	4730	0.0470	640	825

MEDIUM VOLTAGE CABLES
12/20(24) kV, XLPE INSULATED,
PVC SHEATHED NON-ARMOUR
1 CORE CU/XLPE/CTS/PVC



Application

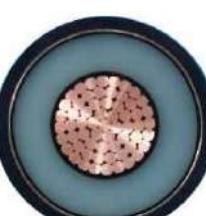
Used for urban networks. Exposed in aerial, direct burial, conduit, open tray and underground duct installation.

Construction:

Conductor :	Compact round stranded anneal copper
Conductor Screen :	Semi-conducting Cross-linked Polyethylene
Insulation :	XLPE (Cross-linked Polyethylene)
Insulation Screen :	Semi-conducting Cross-linked Polyethylene
Metallic Shield :	Annealed copper tape (CTS)
Filler :	Non-hygroscopic material
Wrapping Tape :	Polyester / Non-woven tape --
Inner Sheath :	Polyester / Non-woven tape
Armour :	Black PVC (Polyvinyl Chloride)
Wrapping Tape :	
Outer Sheath :	

Technical Data:

Voltage :	12/20(24) kV
Reference :	IEC 60228 & IEC 60502-2
AC Testing	42kV
Voltage :	
Max. Conductor Temperature :	90°C (normal operation)
Max. Conductor Temperature :	250°C (short circuit at 5s max. duration)
Special Properties upon request :	Flame-retardant sheath LSHF sheath (PE) Polyethylene sheath



Application

Used for urban networks. Exposed in aerial, direct burial, conduit, open tray and underground duct installation.

Construction:

Conductor :	Compact round stranded anneal copper
Conductor Screen :	Semi-conducting Cross-linked Polyethylene
Insulation :	XLPE (Cross-linked Polyethylene)
Insulation Screen :	Semi-conducting Cross-linked Polyethylene
Metallic Shield :	Annealed copper tape (CTS)
Filler :	Non-hygroscopic material
Wrapping Tape :	Polyester / Non-woven tape --
Inner Sheath :	Polyester / Non-woven tape
Armour :	Black PVC (Polyvinyl Chloride)
Wrapping Tape :	
Outer Sheath :	

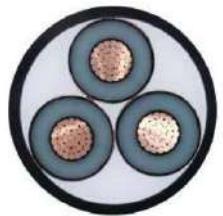
Technical Data:

Voltage :	18/30(36) kV
Reference :	IEC 60228 & IEC 60502-2
AC Testing	63kV
Voltage :	
Max. Conductor Temperature :	90°C (normal operation)
Max. Conductor Temperature :	250°C (short circuit at 5s max. duration)
Special Properties upon request :	Flame-retardant sheath LSHF sheath (PE) Polyethylene sheath

Nominal cross-sectional area of conductor	Number and diameter of wires	Thickness of insulation	Nom. Dia. Of Armour Wire	Thickness of oversheath	Approx overall diameter	Approx net weight	Maximum Conductor Resistance at 20°C	Ampacities direct burial in ground at 30°C (A)	Ampacities in free air at 40°C (ambient)
Core x (mm²)	(no/mm)	(mm)	(mm)	(mm)	(mm)	(kg/km)	(Ohm/km)	(A)	(A)
1 x 10	-	-	-	-	-	-	-	-	-
1 x 16	-	-	-	-	-	-	-	-	-
1 x 25	-	-	-	-	-	-	-	-	-
1 x 35	6	5.5	-	1.8	26	890	0.524	170	200
1 x 50	6	5.5	-	1.8	27	1070	0.387	200	240
1 x 70	12	5.5	-	1.9	29	1320	0.268	250	295
1 x 95	15	5.5	-	1.9	31	1600	0.193	295	365
1 x 120	18	5.5	-	2.0	32	1890	0.153	335	420
1 x 150	18	5.5	-	2.0	34	2210	0.124	375	475
1 x 185	30	5.5	-	2.1	36	2600	0.0991	430	545
1 x 240	34	5.5	-	2.2	38	3210	0.0754	495	640
1 x 300	34	5.5	-	2.2	41	3830	0.0601	560	740
1 x 400	53	5.5	-	2.3	44	4880	0.0470	640	850

Nominal cross-sectional area of conductor	Number and diameter of wires	Thickness of insulation	Nom. Dia. Of Armour Wire	Thickness of oversheath	Approx overall diameter	Approx net weight	Maximum Conductor Resistance at 20°C	Ampacities direct burial in ground at 30°C (A)	Ampacities in free air at 40°C (ambient)
Core x (mm²)	(no/mm)	(mm)	(mm)	(mm)	(mm)	(kg/km)	(Ohm/km)	(A)	(A)
1 x 10	-	-	-	-	-	-	-	-	-
1 x 16	-	-	-	-	-	-	-	-	-
1 x 25	-	-	-	-	-	-	-	-	-
1 x 35	-	-	-	-	-	-	-	-	-
1 x 50	6	8.0	-	2.1	33	1360	0.387	200	235
1 x 70	12	8.0	-	2.1	34	1600	0.268	250	290
1 x 95	15	8.0	-	2.2	36	1910	0.193	295	360
1 x 120	18	8.0	-	2.3	38	2220	0.153	335	415
1 x 150	18	8.0	-	2.3	39	2550	0.124	375	470
1 x 185	30	8.0	-	2.4	41	2960	0.0991	430	540
1 x 240	34	8.0	-	2.4	44	3570	0.0754	495	635
1 x 300	34	8.0	-	2.5	46	4230	0.0601	560	735
1 x 400	53	8.0	-	2.6	49	5300	0.047	640	845

MEDIUM VOLTAGE CABLES
1.8/3(3.6) kV, XLPE INSULATED,
PVC SHEATHED NON-ARMOUR
3 CORES CU/XLPE/CTS/PVC



Application

Used for urban networks. Exposed in aerial, direct burial, conduit, open tray and underground duct installation.

Construction:

Conductor :	Compact round stranded anneal copper
Conductor Screen :	Semi-conducting Cross-linked Polyethylene
Insulation :	XLPE (Cross-linked Polyethylene)
Insulation Screen :	Semi-conducting Cross-linked Polyethylene
Metallic Shield :	Annealed copper tape (CTS)
Filler :	Non-hygroscopic material
Wrapping Tape :	Polyester / Non-woven tape --
Inner Sheath :	Polyester / Non-woven tape
Armour :	Black PVC (Polyvinyl Chloride)
Wrapping Tape :	Outer Sheath :

Technical Data:

Voltage :	1.8/3(3.6) kV
Reference :	IEC 60228 & IEC 60502-1
AC Testing	6.5kV
Voltage :	90oC (normal operation)
Max. Conductor Temperature :	250oC (short circuit at 5s max. duration)
Max. Conductor Temperature :	Flame-retardant sheath
Special Properties upon request :	LSHF sheath
	(PE) Polyethylene sheath

MEDIUM VOLTAGE CABLES
3.6/6(7.2) kV, XLPE INSULATED,
PVC SHEATHED NON-ARMOUR
3 CORES CU/XLPE/CTS/PVC



Application

Used for urban networks. Exposed in aerial, direct burial, conduit, open tray and underground duct installation.

Construction:

Conductor :	Compact round stranded anneal copper
Conductor Screen :	Semi-conducting Cross-linked Polyethylene
Insulation :	XLPE (Cross-linked Polyethylene)
Insulation Screen :	Semi-conducting Cross-linked Polyethylene
Metallic Shield :	Annealed copper tape (CTS)
Filler :	Non-hygroscopic material
Wrapping Tape :	Polyester / Non-woven tape --
Inner Sheath :	Polyester / Non-woven tape
Armour :	Black PVC (Polyvinyl Chloride)
Wrapping Tape :	Outer Sheath :

Technical Data:

Voltage :	3.6/6(7.2) kV
Reference :	IEC 60228 & IEC 60502-2
AC Testing	12.5kV
Voltage :	90oC (normal operation)
Max. Conductor Temperature :	250oC (short circuit at 5s max. duration)
Max. Conductor Temperature :	Flame-retardant sheath
Special Properties upon request :	LSHF sheath
	(PE) Polyethylene sheath

Nominal cross-sectional area of conductor	Number and diameter of wires	Thickness of insulation	Nom. Dia. Of Armour Wire	Thickness of oversheath	Approx overall diameter	Approx net weight	Maximum Conductor Resistance at 20oC	Ampacities direct burial in ground at 30oC (A)	Ampacities in free air at 40oC (ambient) (A)
Core x (mm)	(no/mm)	(mm)	(mm)	(mm)	(mm)	(kg/km)	(Ohm/km)		
3 x 10	6	2.0	-	1.8	27	900	1.83	85	80
3 x 16	6	2.0	-	1.9	30	1150	1.15	105	105
3 x 25	6	2.0	-	2.0	33	1510	0.727	135	140
3 x 35	6	2.0	-	2.1	36	1880	0.524	165	170
3 x 50	6	2.0	-	2.2	39	2430	0.387	195	205
3 x 70	12	2.0	-	2.3	43	3120	0.268	235	250
3 x 95	15	2.0	-	2.4	47	3990	0.193	280	305
3 x 120	18	2.0	-	2.5	50	4840	0.153	315	345
3 x 150	18	2.0	-	2.6	53	5820	0.124	350	390
3 x 185	30	2.0	-	2.7	57	6920	0.0991	395	445
3 x 240	34	2.0	-	2.9	63	8800	0.0754	450	520
3 x 300	34	2.0	-	3.1	68	10790	0.0601	495	580
3 x 400	53	2.0	-	3.3	75	14000	0.0470	545	655

Nominal cross-sectional area of conductor	Number and diameter of wires	Thickness of insulation	Nom. Dia. Of Armour Wire	Thickness of oversheath	Approx overall diameter	Approx net weight	Maximum Conductor Resistance at 20oC	Ampacities direct burial in ground at 30oC (A)	Ampacities in free air at 40oC (ambient) (A)
Core x (mm)	(no/mm)	(mm)	(mm)	(mm)	(mm)	(kg/km)	(Ohm/km)		
3 x 10	6	2.5	-	2.0	32	1010	1.83	85	80
3 x 16	6	2.5	-	2.0	33	1270	1.15	105	105
3 x 25	6	2.5	-	2.1	36	1640	0.727	135	140
3 x 35	6	2.5	-	2.1	38	2000	0.524	165	170
3 x 50	6	2.5	-	2.2	42	2560	0.387	195	205
3 x 70	12	2.5	-	2.3	45	3260	0.268	235	250
3 x 95	15	2.5	-	2.5	49	4160	0.193	280	305
3 x 120	18	2.5	-	2.6	52	5020	0.153	315	345
3 x 150	18	2.5	-	2.7	56	6010	0.124	350	390
3 x 185	30	2.5	-	2.8	59	7180	0.0991	395	445
3 x 240	34	2.6	-	3.0	66	9100	0.0754	450	520
3 x 300	34	2.8	-	3.2	72	11160	0.0601	495	580
3 x 400	53	3.0	-	3.4	85	14000	0.0470	545	655

MEDIUM VOLTAGE CABLES
6/10(12) kV, XLPE INSULATED,
PVC SHEATHED NON-ARMOUR
3 CORES CU/XLPE/CTS/PVC



Application

Used for urban networks. Exposed in aerial, direct burial, conduit, open tray and underground duct installation.

Construction:

Conductor :	Compact round stranded anneal copper
Conductor Screen :	Semi-conducting Cross-linked Polyethylene
Insulation :	XLPE (Cross-linked Polyethylene)
Insulation Screen :	Semi-conducting Cross-linked Polyethylene
Metallic Shield :	Annealed copper tape (CTS)
Filler :	Non-hygroscopic material
Wrapping Tape :	Polyester / Non-woven tape --
Inner Sheath :	Polyester / Non-woven tape
Armour :	Black PVC (Polyvinyl Chloride)
Wrapping Tape :	
Outer Sheath :	

Technical Data:

Voltage :	6/10(12) kV
Reference :	IEC 60228 & IEC 60502-2
AC Testing	21kV
Voltage :	
Max. Conductor Temperature :	90oC (normal operation)
Max. Conductor Temperature :	250oC (short circuit at 5s max. duration)
Special Properties upon request :	Flame-retardant sheath LSHF sheath (PE) Polyethylene sheath



Application

Used for urban networks. Exposed in aerial, direct burial, conduit, open tray and underground duct installation.

Construction:

Conductor :	Compact round stranded anneal copper
Conductor Screen :	Semi-conducting Cross-linked Polyethylene
Insulation :	XLPE (Cross-linked Polyethylene)
Insulation Screen :	Semi-conducting Cross-linked Polyethylene
Metallic Shield :	Annealed copper tape (CTS)
Filler :	Non-hygroscopic material
Wrapping Tape :	Polyester / Non-woven tape --
Inner Sheath :	Polyester / Non-woven tape
Armour :	Black PVC (Polyvinyl Chloride)
Wrapping Tape :	
Outer Sheath :	

Technical Data:

Voltage :	8.7/15(17.5) kV
Reference :	IEC 60228 & IEC 60502-2
AC Testing	30.5kV
Voltage :	
Max. Conductor Temperature :	90oC (normal operation)
Max. Conductor Temperature :	250oC (short circuit at 5s max. duration)
Special Properties upon request :	Flame-retardant sheath LSHF sheath (PE) Polyethylene sheath

Nominal cross-sectional area of conductor	Number and diameter of wires	Thickness of insulation	Nom. Dia. Of Armour Wire	Thickness of oversheath	Approx overall diameter	Approx net weight	Maximum Conductor Resistance at 20oC	Ampacities direct burial in ground at 30oC (A)	Ampacities in free air at 40oC (ambient) (A)
Core x (mm ²)	(no/mm)	(mm)	(mm)	(mm)	(mm)	(kg/km)	(Ohm/km)	(A)	(A)
3 x 10	-	-	-	-	-	-	-	-	-
3 x 16	6	3.4	-	2.1	38	1490	1.15	105	105
3 x 25	6	3.4	-	2.2	40	1870	0.727	135	140
3 x 35	6	3.4	-	2.3	43	2270	0.524	165	170
3 x 50	6	3.4	-	2.4	46	2850	0.387	195	210
3 x 70	12	3.4	-	2.5	49	3570	0.268	235	255
3 x 95	15	3.4	-	2.6	53	4470	0.193	280	310
3 x 120	18	3.4	-	2.7	57	5360	0.153	315	350
3 x 150	18	3.4	-	2.8	60	6360	0.124	350	395
3 x 185	30	3.4	-	3.0	64	7590	0.0991	395	450
3 x 240	34	3.4	-	3.2	70	9480	0.0754	450	525
3 x 300	34	3.4	-	3.3	75	11450	0.0601	495	585
3 x 400	53	3.4	-	3.6	82	14760	0.0470	545	660

Nominal cross-sectional area of conductor	Number and diameter of wires	Thickness of insulation	Nom. Dia. Of Armour Wire	Thickness of oversheath	Approx overall diameter	Approx net weight	Maximum Conductor Resistance at 20oC	Ampacities direct burial in ground at 30oC (A)	Ampacities in free air at 40oC (ambient) (A)
Core x (mm ²)	(no/mm)	(mm)	(mm)	(mm)	(mm)	(kg/km)	(Ohm/km)	(A)	(A)
3 x 10	-	-	-	-	-	-	-	-	-
3 x 16	-	-	-	-	-	-	-	-	-
3 x 25	6	4.5	-	2.4	46	2210	0.727	135	140
3 x 35	6	4.5	-	2.5	48	2630	0.524	165	170
3 x 50	6	4.5	-	2.6	52	3230	0.387	195	210
3 x 70	12	4.5	-	2.7	55	3980	0.268	235	255
3 x 95	15	4.5	-	2.8	59	4900	0.193	280	310
3 x 120	18	4.5	-	2.9	62	5810	0.153	315	350
3 x 150	18	4.5	-	3.0	65	6840	0.124	350	395
3 x 185	30	4.5	-	3.1	70	8070	0.0991	390	450
3 x 240	34	4.5	-	3.3	76	10000	0.0754	445	525
3 x 300	34	4.5	-	3.5	81	1240	0.0601	490	585
3 x 400	53	4.5	-	3.7	88	15370	0.0470	540	660

MEDIUM VOLTAGE CABLES
12/20(24) kV, XLPE INSULATED,
PVC SHEATHED NON-ARMOUR
3 CORES CU/XLPE/CTS/PVC



Application

Used for urban networks. Exposed in aerial, direct burial, conduit, open tray and underground duct installation.

Construction:

Conductor :	Compact round stranded anneal copper
Conductor Screen :	Semi-conducting Cross-linked Polyethylene
Insulation :	XLPE (Cross-linked Polyethylene)
Insulation Screen :	Semi-conducting Cross-linked Polyethylene
Metallic Shield :	Annealed copper tape (CTS)
Filler :	Non-hygroscopic material
Wrapping Tape :	Polyester / Non-woven tape --
Inner Sheath :	Polyester / Non-woven tape
Armour :	Black PVC (Polyvinyl Chloride)
Wrapping Tape :	Outer Sheath :

Technical Data:

Voltage :	12/20(24) kV
Reference :	IEC 60228 & IEC 60502-2
AC Testing	42kV
Voltage :	
Max. Conductor Temperature :	
Max. Conductor Temperature :	
Special Properties upon request :	
90oC (normal operation)	
250oC (short circuit at 5s max. duration)	
Flame-retardant sheath	
LSHF sheath	
(PE) Polyethylene sheath	

MEDIUM VOLTAGE CABLES
18/30(36) kV, XLPE INSULATED,
PVC SHEATHED NON-ARMOUR
3 CORES CU/XLPE/CTS/PVC



Application

Used for urban networks. Exposed in aerial, direct burial, conduit, open tray and underground duct installation.

Construction:

Conductor :	Compact round stranded anneal copper
Conductor Screen :	Semi-conducting Cross-linked Polyethylene
Insulation :	XLPE (Cross-linked Polyethylene)
Insulation Screen :	Semi-conducting Cross-linked Polyethylene
Metallic Shield :	Annealed copper tape (CTS)
Filler :	Non-hygroscopic material
Wrapping Tape :	Polyester / Non-woven tape --
Inner Sheath :	Polyester / Non-woven tape
Armour :	Black PVC (Polyvinyl Chloride)
Wrapping Tape :	Outer Sheath :

Technical Data:

Voltage :	18/30(36) kV
Reference :	IEC 60228 & IEC 60502-2
AC Testing	63kV
Voltage :	
Max. Conductor Temperature :	
Max. Conductor Temperature :	
Special Properties upon request :	
90oC (normal operation)	
250oC (short circuit at 5s max. duration)	
Flame-retardant sheath	
LSHF sheath	
(PE) Polyethylene sheath	

Nominal cross-sectional area of conductor	Number and diameter of wires	Thickness of insulation	Nom. Dia. Of Armour Wire	Thickness of oversheath	Approx overall diameter	Approx net weight	Maximum Conductor Resistance at 20oC	Ampacities direct burial in ground at 30oC (A)	Ampacities in free air at 40oC (ambient) (A)
Core x (mm)	(no/mm)	(mm)	(mm)	(mm)	(mm)	(kg/km)	(Ohm/km)	(A)	(A)
3 x 10	-	-	-	-	-	-	-	-	-
3 x 16	-	-	-	-	-	-	-	-	-
3 x 25	-	-	-	-	-	-	-	-	-
3 x 35	6	5.5	-	2.6	53	2970	0.524	165	175
3 x 50	6	5.5	-	2.7	56	3590	0.387	195	215
3 x 70	12	5.5	-	2.8	60	4350	0.268	235	260
3 x 95	15	5.5	-	3.0	64	5340	0.193	280	315
3 x 120	18	5.5	-	3.1	67	6270	0.153	315	355
3 x 150	18	5.5	-	3.2	71	7320	0.124	350	400
3 x 185	30	5.5	-	3.3	75	8570	0.0991	390	455
3 x 240	34	5.5	-	3.5	81	10540	0.0754	445	525
3 x 300	34	5.5	-	3.7	86	12620	0.0601	490	585
3 x 400	53	5.5	-	3.9	93	15990	0.0470	540	660

Nominal cross-sectional area of conductor	Number and diameter of wires	Thickness of insulation	Nom. Dia. Of Armour Wire	Thickness of oversheath	Approx overall diameter	Approx net weight	Maximum Conductor Resistance at 20oC	Ampacities direct burial in ground at 30oC (A)	Ampacities in free air at 40oC (ambient) (A)
Core x (mm)	(no/mm)	(mm)	(mm)	(mm)	(mm)	(kg/km)	(Ohm/km)	(A)	(A)
3 x 10	-	-	-	-	-	-	-	-	-
3 x 16	-	-	-	-	-	-	-	-	-
3 x 25	-	-	-	-	-	-	-	-	-
3 x 35	-	-	-	-	-	-	-	-	-
3 x 50	6	8.0	-	3.1	68	4660	0.387	195	215
3 x 70	12	8.0	-	3.2	72	5470	0.268	235	260
3 x 95	15	8.0	-	3.4	77	6530	0.193	275	315
3 x 120	18	8.0	-	3.5	80	7520	0.153	310	355
3 x 150	18	8.0	-	3.6	83	8620	0.124	345	400
3 x 185	30	8.0	-	3.7	87	9930	0.0991	390	455
3 x 240	34	8.0	-	3.9	93	11990	0.0754	445	525
3 x 300	34	8.0	-	4.1	98	14160	0.0601	490	585
3 x 400	53	8.0	-	4.3	105	17640	0.0470	540	660

MEDIUM VOLTAGE CABLES
1.8/3(3.6) kV, XLPE INSULATED
PVC SHEATHED DOUBLE ALUMINIUM TAPE ARMOUR
1 CORE CU/XLPE/CTS/PVC/DATA/PVC



Application

Used for urban networks. Exposed in aerial, direct burial, conduit, open tray and underground duct installation.

Construction:

Conductor :	Compact round stranded anneal copper
Conductor Screen :	Semi-conducting Cross-linked Polyethylene
Insulation :	XLPE (Cross-linked Polyethylene)
Insulation Screen :	Semi-conducting Cross-linked Polyethylene
Metallic Shield :	Annealed copper tape (CTS)
Filler :	Non-hygroscopic material
Wrapping Tape :	Polyester / Non-woven tape
Inner Sheath :	Black PVC (Polyvinyl Chloride)
Armour :	Aluminium tape
Wrapping Tape :	Polyester / Non-woven tape
Outer Sheath :	Black PVC (Polyvinyl Chloride)

Technical Data:

Voltage :	1.8/3(3.6) kV
Reference :	IEC 60228 & IEC 60502-1
AC Testing Voltage :	6.5kV
Max. Conductor Temperature :	90oC (normal operation)
Max. Conductor Temperature :	250oC (short circuit at 5s max. duration)
Special Properties upon request :	Flame-retardant sheath LSHF sheath (PE) Polyethylene sheath



Application

Used for urban networks. Exposed in aerial, direct burial, conduit, open tray and underground duct installation.

Construction:

Conductor :	Compact round stranded anneal copper
Conductor Screen :	Semi-conducting Cross-linked Polyethylene
Insulation :	XLPE (Cross-linked Polyethylene)
Insulation Screen :	Semi-conducting Cross-linked Polyethylene
Metallic Shield :	Annealed copper tape (CTS)
Filler :	Non-hygroscopic material
Wrapping Tape :	Polyester / Non-woven tape
Inner Sheath :	Black PVC (Polyvinyl Chloride)
Armour :	Aluminium tape
Wrapping Tape :	Polyester / Non-woven tape
Outer Sheath :	Black PVC (Polyvinyl Chloride)

Technical Data:

Voltage :	3.6/6(7.2) kV
Reference :	IEC 60228 & IEC 60502-2
AC Testing Voltage :	12.5kV
Max. Conductor Temperature :	90oC (normal operation)
Max. Conductor Temperature :	250oC (short circuit at 5s max. duration)
Special Properties upon request :	Flame-retardant sheath LSHF sheath (PE) Polyethylene sheath

Nominal cross-sectional area of conductor	Number and diameter of wires	Thickness of insulation	Thickness of Armour Tape	Thickness of oversheath	Approx overall diameter	Approx net weight	Maximum Conductor Resistance at 20oC	Ampacities direct burial in ground at 30oC (A)	Ampacities in free air at 40oC (ambient) (A)
Core x (mm²)	(no/mm)	(mm)	(mm)	(mm)	(mm)	(kg/km)	(Ohm/km)	(A)	(A)
1 x 10	6	2.0	2 X 0.5	1.8	20	500	1.83	90	100
1 x 16	6	2.0	2 X 0.5	1.8	21	590	1.15	115	125
1 x 25	6	2.0	2 X 0.5	1.8	22	710	0.727	150	165
1 x 35	6	2.0	2 X 0.5	1.8	23	840	0.524	180	200
1 x 50	6	2.0	2 X 0.5	1.8	25	1020	0.387	210	240
1 x 70	12	2.0	2 X 0.5	1.8	26	1250	0.268	260	295
1 x 95	15	2.0	2 X 0.5	1.8	28	1540	0.193	310	365
1 x 120	18	2.0	2 X 0.5	1.9	30	1830	0.153	350	420
1 x 150	18	2.0	2 X 0.5	1.9	31	2150	0.124	395	475
1 x 185	30	2.0	2 X 0.5	2.0	33	2540	0.0991	450	545
1 x 240	34	2.0	2 X 0.5	2.1	36	3150	0.0754	520	640
1 x 300	34	2.0	2 X 0.5	2.1	38	3770	0.0601	585	740
1 x 400	53	2.0	2 X 0.5	2.3	41	4830	0.0470	670	850

Nominal cross-sectional area of conductor	Number and diameter of wires	Thickness of insulation	Thickness of Armour Tape	Thickness of oversheath	Approx overall diameter	Approx net weight	Maximum Conductor Resistance at 20oC	Ampacities direct burial in ground at 30oC (A)	Ampacities in free air at 40oC (ambient) (A)
Core x (mm²)	(no/mm)	(mm)	(mm)	(mm)	(mm)	(kg/km)	(Ohm/km)	(A)	(A)
1 x 10	6	2.5	2 X 0.5	1.8	21	540	1.83	90	100
1 x 16	6	2.5	2 X 0.5	1.8	22	630	1.15	115	125
1 x 25	6	2.5	2 X 0.5	1.8	23	760	0.727	150	165
1 x 35	6	2.5	2 X 0.5	1.8	24	890	0.524	180	200
1 x 50	6	2.5	2 X 0.5	1.8	26	1070	0.387	210	240
1 x 70	12	2.5	2 X 0.5	1.8	27	1310	0.268	260	295
1 x 95	15	2.5	2 X 0.5	1.9	29	1610	0.193	310	365
1 x 120	18	2.5	2 X 0.5	1.9	31	1890	0.153	350	420
1 x 150	18	2.5	2 X 0.5	2.0	32	2220	0.124	395	475
1 x 185	30	2.5	2 X 0.5	2.0	34	2610	0.0991	450	545
1 x 240	34	2.6	2 X 0.5	2.1	37	3230	0.0754	520	640
1 x 300	34	2.8	2 X 0.5	2.2	40	3900	0.0601	585	740
1 x 400	53	3.0	2 X 0.5	2.3	44	5000	0.0470	670	850

MEDIUM VOLTAGE CABLES
6/10(12) kV, XLPE INSULATED,
PVC SHEATHED DOUBLE ALUMINIUM TAPE ARMOUR
1 CORE CU/XLPE/CTS/PVC/DATA/PVC



Application

Used for urban networks. Exposed in aerial, direct burial, conduit, open tray and underground duct installation.

Construction:

Conductor :	Compact round stranded anneal copper
Conductor Screen :	Semi-conducting Cross-linked Polyethylene
Insulation :	XLPE (Cross-linked Polyethylene)
Insulation Screen :	Semi-conducting Cross-linked Polyethylene
Metallic Shield :	Annealed copper tape (CTS)
Filler :	Non-hygroscopic material
Wrapping Tape :	Polyester / Non-woven tape
Inner Sheath :	Black PVC (Polyvinyl Chloride)
Armour :	Aluminium tape
Wrapping Tape :	Polyester / Non-woven tape
Outer Sheath :	Black PVC (Polyvinyl Chloride)

Technical Data:

Voltage :	6/10(12) kV
Reference :	IEC 60228 & IEC 60502-2
AC Testing	21kV
Voltage :	90oC (normal operation)
Max. Conductor Temperature :	250oC (short circuit at 5s max. duration)
Max. Conductor Temperature :	250oC (short circuit at 5s max. duration)
Special Properties upon request :	Flame-retardant sheath LSHF sheath (PE) Polyethylene sheath

MEDIUM VOLTAGE CABLES
8.7/15(17.5) kV, XLPE INSULATED,
PVC SHEATHED DOUBLE ALUMINIUM TAPE ARMOUR
1 CORE CU/XLPE/CTS/PVC/DATA/PVC



Application

Used for urban networks. Exposed in aerial, direct burial, conduit, open tray and underground duct installation.

Construction:

Conductor :	Compact round stranded anneal copper
Conductor Screen :	Semi-conducting Cross-linked Polyethylene
Insulation :	XLPE (Cross-linked Polyethylene)
Insulation Screen :	Semi-conducting Cross-linked Polyethylene
Metallic Shield :	Annealed copper tape (CTS)
Filler :	Non-hygroscopic material
Wrapping Tape :	Polyester / Non-woven tape
Inner Sheath :	Black PVC (Polyvinyl Chloride)
Armour :	Aluminium tape
Wrapping Tape :	Polyester / Non-woven tape
Outer Sheath :	Black PVC (Polyvinyl Chloride)

Technical Data:

Voltage :	8.7/15(17.5) kV
Reference :	IEC 60228 & IEC 60502-2
AC Testing	30.5kV
Voltage :	90oC (normal operation)
Max. Conductor Temperature :	250oC (short circuit at 5s max. duration)
Max. Conductor Temperature :	250oC (short circuit at 5s max. duration)
Special Properties upon request :	Flame-retardant sheath LSHF sheath (PE) Polyethylene sheath

Nominal cross-sectional area of conductor	Number and diameter of wires	Thickness of insulation	Thickness of Armour Tape	Thickness of oversheath	Approx overall diameter	Approx net weight	Maximum Conductor Resistance at 20oC	Ampacities direct burial in ground at 30oC (A)	Ampacities in free air at 40oC (ambient) (A)
Core x (mm²)	(no/mm)	(mm)	(mm)	(mm)	(mm)	(kg/km)	(Ohm/km)	(A)	(A)
1 x 10	-	-	-	-	-	-	-	-	-
1 x 16	6	3.4	2 X 0.5	1.8	24	720	1.15	110	120
1 x 25	6	3.4	2 X 0.5	1.8	25	840	0.727	140	160
1 x 35	6	3.4	2 X 0.5	1.8	26	980	0.524	170	195
1 x 50	6	3.4	2 X 0.5	1.8	28	1170	0.387	200	235
1 x 70	12	3.4	2 X 0.5	1.9	29	1420	0.268	250	290
1 x 95	15	3.4	2 X 0.5	1.9	31	1710	0.193	295	360
1 x 120	18	3.4	2 X 0.5	2.0	33	2010	0.153	335	415
1 x 150	18	3.4	2 X 0.5	2.0	34	2330	0.124	375	470
1 x 185	30	3.4	2 X 0.5	2.1	36	2740	0.0991	430	540
1 x 240	34	3.4	2 X 0.5	2.2	39	3350	0.0754	495	635
1 x 300	34	3.4	2 X 0.5	2.2	41	3990	0.0601	560	735
1 x 400	53	3.4	2 X 0.5	2.4	45	5090	0.0470	640	845

Nominal cross-sectional area of conductor	Number and diameter of wires	Thickness of insulation	Thickness of Armour Tape	Thickness of oversheath	Approx overall diameter	Approx net weight	Maximum Conductor Resistance at 20oC	Ampacities direct burial in ground at 30oC (A)	Ampacities in free air at 40oC (ambient) (A)
Core x (mm²)	(no/mm)	(mm)	(mm)	(mm)	(mm)	(kg/km)	(Ohm/km)	(A)	(A)
1 x 10	-	-	-	-	-	-	-	-	-
1 x 16	-	-	-	-	-	-	-	-	-
1 x 25	6	4.5	2 X 0.5	1.8	27	960	0.727	140	155
1 x 35	6	4.5	2 X 0.5	1.8	29	1090	0.524	170	190
1 x 50	6	4.5	2 X 0.5	1.9	30	1300	0.387	200	230
1 x 70	12	4.5	2 X 0.5	1.9	32	1540	0.268	250	285
1 x 95	15	4.5	2 X 0.5	2.0	33	1860	0.193	295	355
1 x 120	18	4.5	2 X 0.5	2.1	35	2160	0.153	335	410
1 x 150	18	4.5	2 X 0.5	2.1	37	2490	0.124	375	455
1 x 185	30	4.5	2 X 0.5	2.2	38	2900	0.0991	430	525
1 x 240	34	4.5	2 X 0.5	2.3	41	3530	0.0754	495	620
1 x 300	34	4.5	2 X 0.5	2.3	44	4190	0.0601	560	720
1 x 400	53	4.5	2 X 0.5	2.4	47	5270	0.0470	640	825

MEDIUM VOLTAGE CABLES
12/10(24) kV, XLPE INSULATED,
PVC SHEATHED DOUBLE ALUMINIUM TAPE ARMOUR
1 CORE CU/XLPE/CTS/PVC/DATA/PVC



Application

Used for urban networks. Exposed in aerial, direct burial, conduit, open tray and underground duct installation.

Construction:

Conductor :	Compact round stranded anneal copper
Conductor Screen :	Semi-conducting Cross-linked Polyethylene
Insulation :	XLPE (Cross-linked Polyethylene)
Insulation Screen :	Semi-conducting Cross-linked Polyethylene
Metallic Shield :	Annealed copper tape (CTS)
Filler :	Non-hygroscopic material
Wrapping Tape :	Polyester / Non-woven tape
Inner Sheath :	Black PVC (Polyvinyl Chloride)
Armour :	Aluminium tape
Wrapping Tape :	Polyester / Non-woven tape
Outer Sheath :	Black PVC (Polyvinyl Chloride)

Technical Data:

Voltage :	12/20(24) kV
Reference :	IEC 60228 & IEC 60502-2
AC Testing Voltage :	42kV
Max. Conductor Temperature :	90oC (normal operation)
Max. Conductor Temperature :	250oC (short circuit at 5s max. duration)
Special Properties upon request :	Flame-retardant sheath LSHF sheath (PE) Polyethylene sheath

MEDIUM VOLTAGE CABLES
18/30(36) kV, XLPE INSULATED,
PVC SHEATHED DOUBLE ALUMINIUM TAPE ARMOUR
1 CORE CU/XLPE/CTS/PVC/DATA/PVC



Application

Used for urban networks. Exposed in aerial, direct burial, conduit, open tray and underground duct installation.

Construction:

Conductor :	Compact round stranded anneal copper
Conductor Screen :	Semi-conducting Cross-linked Polyethylene
Insulation :	XLPE (Cross-linked Polyethylene)
Insulation Screen :	Semi-conducting Cross-linked Polyethylene
Metallic Shield :	Annealed copper tape (CTS)
Filler :	Non-hygroscopic material
Wrapping Tape :	Polyester / Non-woven tape
Inner Sheath :	Black PVC (Polyvinyl Chloride)
Armour :	Aluminium tape
Wrapping Tape :	Polyester / Non-woven tape
Outer Sheath :	Black PVC (Polyvinyl Chloride)

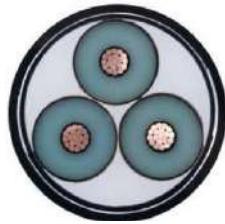
Technical Data:

Voltage :	18/30(36) kV
Reference :	IEC 60228 & IEC 60502-2
AC Testing Voltage :	63kV
Max. Conductor Temperature :	90oC (normal operation)
Max. Conductor Temperature :	250oC (short circuit at 5s max. duration)
Special Properties upon request :	Flame-retardant sheath LSHF sheath (PE) Polyethylene sheath

Nominal cross-sectional area of conductor	Number and diameter of wires (no/mm)	Thickness of insulation	Thickness of Armour Tape (mm)	Thickness of oversheath	Approx overall diameter	Approx net weight	Maximum Conductor Resistance at 20oC (Ohm/km)	Ampacities direct burial in ground at 30oC (A)	Ampacities in free air at 40oC (ambient) (A)
Core x (mm)		(mm)		(mm)	(mm)	(kg/km)			
1 x 10	-	-	-	-	-	-	-	-	-
1 x 16	-	-	-	-	-	-	-	-	-
1 x 25	-	-	-	-	-	-	-	-	-
1 x 35	6	5.5	2 X 0.5	1.9	31	1220	0.524	170	200
1 x 50	6	5.5	2 X 0.5	2.0	32	1430	0.387	200	240
1 x 70	12	5.5	2 X 0.5	2.0	34	1680	0.268	250	295
1 x 95	15	5.5	2 X 0.5	2.1	36	2000	0.193	295	365
1 x 120	18	5.5	2 X 0.5	2.1	37	2300	0.153	335	420
1 x 150	18	5.5	2 X 0.5	2.2	39	2650	0.124	375	475
1 x 185	30	5.5	2 X 0.5	2.2	41	3050	0.0991	430	545
1 x 240	34	5.5	2 X 0.5	2.3	44	3700	0.0754	495	640
1 x 300	34	5.5	2 X 0.5	2.4	46	4370	0.0601	560	740
1 x 400	53	5.5	2 X 0.5	2.5	50	5480	0.0470	640	850

Nominal cross-sectional area of conductor	Number and diameter of wires (no/mm)	Thickness of insulation	Thickness of Armour Tape (mm)	Thickness of oversheath	Approx overall diameter	Approx net weight	Maximum Conductor Resistance at 20oC (Ohm/km)	Ampacities direct burial in ground at 30oC (A)	Ampacities in free air at 40oC (ambient) (A)
Core x (mm)		(mm)		(mm)	(mm)	(kg/km)			
1 x 10	-	-	-	-	-	-	-	-	-
1 x 16	-	-	-	-	-	-	-	-	-
1 x 25	-	-	-	-	-	-	-	-	-
1 x 35	-	-	-	-	-	-	-	-	-
1 x 50	6	8.0	2 X 0.5	2.1	38	1770	0.387	200	235
1 x 70	12	8.0	2 X 0.5	2.2	40	2040	0.268	250	290
1 x 95	15	8.0	2 X 0.5	2.3	41	2380	0.193	295	360
1 x 120	18	8.0	2 X 0.5	2.3	43	2710	0.153	335	415
1 x 150	18	8.0	2 X 0.5	2.4	45	3080	0.124	375	470
1 x 185	30	8.0	2 X 0.5	2.4	47	3490	0.0991	430	540
1 x 240	34	8.0	2 X 0.5	2.5	50	4170	0.0754	495	635
1 x 300	34	8.0	2 X 0.5	2.6	52	4870	0.0601	560	735
1 x 400	53	8.0	2 X 0.5	2.7	56	6010	0.047	640	845

MEDIUM VOLTAGE CABLES
1.8/3(3.6) kV, XLPE INSULATED,
PVC SHEATHED STEEL TAPE ARMOUR
3 CORES CU/XLPE/CTS/PVC/DSTA/PVC



Application

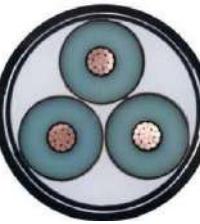
Used for urban networks. Exposed in aerial, direct burial, conduit, open tray and underground duct installation.

Construction:

Conductor :	Compact round stranded anneal copper
Conductor Screen :	Semi-conducting Cross-linked Polyethylene
Insulation :	XLPE (Cross-linked Polyethylene)
Insulation Screen :	Semi-conducting Cross-linked Polyethylene
Metallic Shield :	Annealed copper tape (CTS)
Filler :	Non-hygroscopic material
Wrapping Tape :	Polyester / Non-woven tape
Inner Sheath :	Black PVC (Polyvinyl Chloride)
Armour :	Galvanized steel tape
Wrapping Tape :	Polyester / Non-woven tape
Outer Sheath :	Black PVC (Polyvinyl Chloride)

Technical Data:

Voltage :	1.8/3(3.6) kV
Reference :	IEC 60228 & IEC 60502-1
AC Testing Voltage :	6.5kV
Max. Conductor Temperature :	90°C (normal operation)
Max. Conductor Temperature :	250°C (short circuit at 5s max. duration)
Special Properties upon request :	Flame-retardant sheath LSHF sheath (PE) Polyethylene sheath



MEDIUM VOLTAGE CABLES
3.6/6(7.2) kV, XLPE INSULATED,
PVC SHEATHED STEEL TAPE ARMOUR
3 CORES CU/XLPE/CTS/PVC/DSTA/PVC

Application

Used for urban networks. Exposed in aerial, direct burial, conduit, open tray and underground duct installation.

Construction:

Conductor :	Compact round stranded anneal copper
Conductor Screen :	Semi-conducting Cross-linked Polyethylene
Insulation :	XLPE (Cross-linked Polyethylene)
Insulation Screen :	Semi-conducting Cross-linked Polyethylene
Metallic Shield :	Annealed copper tape (CTS)
Filler :	Non-hygroscopic material
Wrapping Tape :	Polyester / Non-woven tape
Inner Sheath :	Black PVC (Polyvinyl Chloride)
Armour :	Galvanized steel tape
Wrapping Tape :	Polyester / Non-woven tape
Outer Sheath :	Black PVC (Polyvinyl Chloride)

Technical Data:

Voltage :	3.6/6(7.2) kV
Reference :	IEC 60228 & IEC 60502-2
AC Testing Voltage :	12.5kV
Max. Conductor Temperature :	90°C (normal operation)
Max. Conductor Temperature :	250°C (short circuit at 5s max. duration)
Special Properties upon request :	Flame-retardant sheath LSHF sheath (PE) Polyethylene sheath

Nominal cross-sectional area of conductor	Number and diameter of wires	Thickness of insulation	Thickness of Armour Tape	Thickness of oversheath	Approx overall diameter	Approx net weight	Maximum Conductor Resistance at 20°C	Ampacities direct burial in ground at 30°C (A)	Ampacities in free air at 40°C (ambient) (A)
Core x (mm²)	(no/mm)	(mm)	(mm)	(mm)	(mm)	(kg/km)	(Ohm/km)	(A)	(A)
3 x 10	6	2.0	2 x 0.2	1.9	32	1250	1.83	85	80
3 x 16	6	2.0	2 x 0.2	2.0	34	1540	1.15	105	105
3 x 25	6	2.0	2 x 0.5	2.1	38	2280	0.727	135	140
3 x 35	6	2.0	2 x 0.5	2.2	40	2710	0.524	165	170
3 x 50	6	2.0	2 x 0.5	2.3	44	3350	0.387	195	205
3 x 70	12	2.0	2 x 0.5	2.4	47	4120	0.268	235	250
3 x 95	15	2.0	2 x 0.5	2.6	52	5120	0.193	280	305
3 x 120	18	2.0	2 x 0.5	2.7	55	6080	0.153	315	345
3 x 150	18	2.0	2 x 0.5	2.8	58	7140	0.124	350	390
3 x 185	30	2.0	2 x 0.5	2.9	63	8430	0.0991	395	445
3 x 240	34	2.0	2 x 0.5	3.1	69	10430	0.0754	450	520
3 x 300	34	2.0	2 x 0.5	3.3	75	12550	0.0601	495	580
3 x 400	53	2.0	2 x 0.8	3.6	83	16800	0.0470	545	655

Nominal cross-sectional area of conductor	Number and diameter of wires	Thickness of insulation	Thickness of Armour Tape	Thickness of oversheath	Approx overall diameter	Approx net weight	Maximum Conductor Resistance at 20°C	Ampacities direct burial in ground at 30°C (A)	Ampacities in free air at 40°C (ambient) (A)
Core x (mm²)	(no/mm)	(mm)	(mm)	(mm)	(mm)	(kg/km)	(Ohm/km)	(A)	(A)
3 x 10	6	2.5	2 x 0.2	2.0	34	1400	1.83	85	80
3 x 16	6	2.5	2 x 0.2	2.1	37	1690	1.15	105	105
3 x 25	6	2.5	2 x 0.5	2.2	41	2460	0.727	135	140
3 x 35	6	2.5	2 x 0.5	2.3	43	2920	0.524	165	170
3 x 50	6	2.5	2 x 0.5	2.4	47	3550	0.387	195	205
3 x 70	12	2.5	2 x 0.5	2.5	50	4360	0.268	235	250
3 x 95	15	2.5	2 x 0.5	2.7	54	5350	0.193	280	305
3 x 120	18	2.5	2 x 0.5	2.8	58	6330	0.153	315	345
3 x 150	18	2.5	2 x 0.5	2.9	61	7420	0.124	350	390
3 x 185	30	2.5	2 x 0.5	3.0	65	8690	0.0991	395	445
3 x 240	34	2.6	2 x 0.5	3.2	72	10800	0.0754	450	520
3 x 300	34	2.8	2 x 0.5	3.4	79	13060	0.0601	495	580
3 x 400	53	3.0	2 x 0.8	3.7	88	17520	0.0470	545	655

MEDIUM VOLTAGE CABLES
6/10(12) kV, XLPE INSULATED,
PVC SHEATHED STEEL TAPE ARMOUR
3 CORES CU/XLPE/CTS/PVC/DSTA/PVC



Application

Used for urban networks. Exposed in aerial, direct burial, conduit, open tray and underground duct installation.

Construction:

Conductor :	Compact round stranded anneal copper
Conductor Screen :	Semi-conducting Cross-linked Polyethylene
Insulation :	XLPE (Cross-linked Polyethylene)
Insulation Screen :	Semi-conducting Cross-linked Polyethylene
Metallic Shield :	Annealed copper tape (CTS)
Filler :	Non-hygroscopic material
Wrapping Tape :	Polyester / Non-woven tape
Inner Sheath :	Black PVC (Polyvinyl Chloride)
Armour :	Galvanized steel tape
Wrapping Tape :	Polyester / Non-woven tape
Outer Sheath :	Black PVC (Polyvinyl Chloride)

Technical Data:

Voltage :	6/10(12) kV
Reference :	IEC 60228 & IEC 60502-2
AC Testing Voltage :	21kV
Max. Conductor Temperature :	90oC (normal operation)
Max. Conductor Temperature :	250oC (short circuit at 5s max. duration)
Special Properties upon request :	Flame-retardant sheath LSHF sheath (PE) Polyethylene sheath

MEDIUM VOLTAGE CABLES
8.7/15(17.5) kV, XLPE INSULATED,
PVC SHEATHED STEEL TAPE ARMOUR
3 CORES CU/XLPE/CTS/PVC/DSTA/PVC



Application

Used for urban networks. Exposed in aerial, direct burial, conduit, open tray and underground duct installation.

Construction:

Conductor :	Compact round stranded anneal copper
Conductor Screen :	Semi-conducting Cross-linked Polyethylene
Insulation :	XLPE (Cross-linked Polyethylene)
Insulation Screen :	Semi-conducting Cross-linked Polyethylene
Metallic Shield :	Annealed copper tape (CTS)
Filler :	Non-hygroscopic material
Wrapping Tape :	Polyester / Non-woven tape
Inner Sheath :	Black PVC (Polyvinyl Chloride)
Armour :	Galvanized steel tape
Wrapping Tape :	Polyester / Non-woven tape
Outer Sheath :	Black PVC (Polyvinyl Chloride)

Technical Data:

Voltage :	8.7/15(17.5) kV
Reference :	IEC 60228 & IEC 60502-1
AC Testing Voltage :	30.5kV
Max. Conductor Temperature :	90oC (normal operation)
Max. Conductor Temperature :	250oC (short circuit at 5s max. duration)
Special Properties upon request :	Flame-retardant sheath LSHF sheath (PE) Polyethylene sheath

Nominal cross-sectional area of conductor	Number and diameter of wires	Thickness of insulation	Thickness of Armour Tape	Thickness of oversheath	Approx overall diameter	Approx net weight	Maximum Conductor Resistance at 20oC	Ampacities direct burial in ground at 30oC (A)	Ampacities in free air at 40oC (ambient)
Core x (mm²)	(no/mm)	(mm)	(mm)	(mm)	(mm)	(kg/km)	(Ohm/km)	(A)	(A)
3 x 10	-	-	-	-	-	-	-	-	-
3 x 16	6	3.4	2 x 0.5	2.3	42	2360	1.15	105	105
3 x 25	6	3.4	2 x 0.5	2.4	45	2840	0.727	135	140
3 x 35	6	3.4	2 x 0.5	2.4	48	3270	0.524	165	170
3 x 50	6	3.4	2 x 0.5	2.6	51	3970	0.387	195	210
3 x 70	12	3.4	2 x 0.5	2.7	55	4790	0.268	235	255
3 x 95	15	3.4	2 x 0.5	2.8	59	5790	0.193	280	310
3 x 120	18	3.4	2 x 0.5	2.9	62	6790	0.153	315	350
3 x 150	18	3.4	2 x 0.5	3.0	66	7870	0.124	350	395
3 x 185	30	3.4	2 x 0.5	3.2	71	9230	0.0991	395	450
3 x 240	34	3.4	2 x 0.5	3.4	77	11290	0.0754	450	525
3 x 300	34	3.4	2 x 0.8	3.6	83	14260	0.0601	495	585
3 x 400	53	3.4	2 x 0.8	3.8	91	17870	0.0470	545	660

Nominal cross-sectional area of conductor	Number and diameter of wires	Thickness of insulation	Thickness of Armour Tape	Thickness of oversheath	Approx overall diameter	Approx net weight	Maximum Conductor Resistance at 20oC	Ampacities direct burial in ground at 30oC (A)	Ampacities in free air at 40oC (ambient)
Core x (mm²)	(no/mm)	(mm)	(mm)	(mm)	(mm)	(kg/km)	(Ohm/km)	(A)	(A)
3 x 10	-	-	-	-	-	-	-	-	-
3 x 16	-	-	-	-	-	-	-	-	-
3 x 25	6	4.5	2 x 0.5	2.5	51	3300	0.727	135	140
3 x 35	6	4.5	2 x 0.5	2.6	53	3780	0.524	165	170
3 x 50	6	4.5	2 x 0.5	2.7	57	4480	0.387	195	210
3 x 70	12	4.5	2 x 0.5	2.9	60	5360	0.268	235	255
3 x 95	15	4.5	2 x 0.5	3.0	64	6380	0.193	280	310
3 x 120	18	4.5	2 x 0.5	3.1	68	7410	0.153	315	350
3 x 150	18	4.5	2 x 0.5	3.2	71	8520	0.124	350	395
3 x 185	30	4.5	2 x 0.5	3.3	76	9880	0.0991	390	450
3 x 240	34	4.5	2 x 0.8	3.6	84	12810	0.0754	445	525
3 x 300	34	4.5	2 x 0.8	3.8	89	15090	0.0601	490	585
3 x 400	53	4.5	2 x 0.8	4.0	97	18760	0.0470	540	660

MEDIUM VOLTAGE CABLES
12/20(24) kV, XLPE INSULATED,
PVC SHEATHED STEEL TAPE ARMOUR
3 CORES CU/XLPE/CTS/PVC/DSTA/PVC



Application

Used for urban networks. Exposed in aerial, direct burial, conduit, open tray and underground duct installation.

Construction:

Conductor :	Compact round stranded anneal copper
Conductor Screen :	Semi-conducting Cross-linked Polyethylene
Insulation :	XLPE (Cross-linked Polyethylene)
Insulation Screen :	Semi-conducting Cross-linked Polyethylene
Metallic Shield :	Annealed copper tape (CTS)
Filler :	Non-hygroscopic material
Wrapping Tape :	Polyester / Non-woven tape
Inner Sheath :	Black PVC (Polyvinyl Chloride)
Armour :	Galvanized steel tape
Wrapping Tape :	Polyester / Non-woven tape
Outer Sheath :	Black PVC (Polyvinyl Chloride)

Technical Data:

Voltage :	12/20(24) kV
Reference :	IEC 60228 & IEC 60502-1
AC Testing Voltage :	42kV
Max. Conductor Temperature :	90oC (normal operation)
Max. Conductor Temperature :	250oC (short circuit at 5s max. duration)
Special Properties upon request :	Flame- retardant sheath LSHF sheath (PE) Polyethylene sheath

Construction:

Conductor :	Compact round stranded anneal copper
Conductor Screen :	Semi-conducting Cross-linked Polyethylene
Insulation :	XLPE (Cross-linked Polyethylene)
Insulation Screen :	Semi-conducting Cross-linked Polyethylene
Metallic Shield :	Annealed copper tape (CTS)
Filler :	Non-hygroscopic material
Wrapping Tape :	Polyester / Non-woven tape
Inner Sheath :	Black PVC (Polyvinyl Chloride)
Armour :	Galvanized steel tape
Wrapping Tape :	Polyester / Non-woven tape
Outer Sheath :	Black PVC (Polyvinyl Chloride)

Technical Data:

Voltage :	18/30(36) kV
Reference :	IEC 60228 & IEC 60502-2
AC Testing Voltage :	63kV
Max. Conductor Temperature :	90oC (normal operation)
Max. Conductor Temperature :	250oC (short circuit at 5s max. duration)
Special Properties upon request :	Flame-retardant sheath LSHF sheath (PE) Polyethylene sheath

Nominal cross-sectional area of conductor	Number and diameter of wires	Thickness of insulation	Thickness of Armour Tape	Thickness of oversheath	Approx overall diameter	Approx net weight	Maximum Conductor Resistance at 20oC	Ampacities direct burial in ground at 300C (A)	Ampacities in free air at 40oC (ambient) (A)
Core x (mm²)	(no/mm)	(mm)	(mm)	(mm)	(mm)	(kg/km)	(Ohm/km)	(A)	(A)
3 x 10	-	-	-	-	-	-	-	-	-
3 x 16	-	-	-	-	-	-	-	-	-
3 x 25	-	-	-	-	-	-	-	-	-
3 x 35	6	5.5	2 x 0.5	2.8	58	4280	0.524	165	175
3 x 50	6	5.5	2 x 0.5	2.9	62	5010	0.387	195	215
3 x 70	12	5.5	2 x 0.5	3.0	65	5850	0.268	235	260
3 x 95	15	5.5	2 x 0.5	3.2	68	6970	0.193	280	315
3 x 120	18	5.5	2 x 0.5	3.3	74	8020	0.153	315	355
3 x 150	18	5.5	2 x 0.5	3.4	77	9150	0.124	350	400
3 x 185	30	5.5	2 x 0.5	3.5	81	10540	0.0991	390	455
3 x 240	34	5.5	2 x 0.8	3.7	88	13540	0.0754	445	525
3 x 300	34	5.5	2 x 0.8	3.9	94	15850	0.0601	490	585
3 x 400	53	5.5	2 x 0.8	4.2	101	19560	0.0470	540	660

Nominal cross-sectional area of conductor	Number and diameter of wires	Thickness of insulation	Thickness of Armour Tape	Thickness of oversheath	Approx overall diameter	Approx net weight	Maximum Conductor Resistance at 20oC	Ampacities direct burial in ground at 300C (A)	Ampacities in free air at 40oC (ambient) (A)
Core x (mm²)	(no/mm)	(mm)	(mm)	(mm)	(mm)	(kg/km)	(Ohm/km)	(A)	(A)
3 x 10	-	-	-	-	-	-	-	-	-
3 x 16	-	-	-	-	-	-	-	-	-
3 x 25	-	-	-	-	-	-	-	-	-
3 x 35	-	-	-	-	-	-	-	-	-
3 x 50	6	8.0	2 x 0.5	3.3	75	6440	0.387	195	215
3 x 70	12	8.0	2 x 0.5	3.4	79	7380	0.268	235	260
3 x 95	15	8.0	2 x 0.8	3.6	84	9330	0.193	275	315
3 x 120	18	8.0	2 x 0.8	3.7	88	10490	0.153	310	355
3 x 150	18	8.0	2 x 0.8	3.8	91	11740	0.124	345	400
3 x 185	30	8.0	2 x 0.8	4.0	95	13240	0.0991	390	455
3 x 240	34	8.0	2 x 0.8	4.2	101	15560	0.0754	445	525
3 x 300	34	8.0	2 x 0.8	4.3	106	17930	0.0601	490	585
3 x 400	53	8.0	2 x 0.8	4.6	114	21820	0.047	540	660

MEDIUM VOLTAGE CABLES
1.8/3(3.6) kV, XLPE INSULATED,
PVC SHEATHED ALUMINIUM WIRE ARMOUR
1 CORE CU/XLPE/CTS/PVC/AWA/PVC



Application

Used for urban networks. Exposed in aerial, direct burial, conduit, open tray and underground duct installation.

Construction:

Conductor :	Compact round stranded anneal copper
Conductor Screen :	Semi-conducting Cross-linked Polyethylene
Insulation :	XLPE (Cross-linked Polyethylene)
Insulation Screen :	Semi-conducting Cross-linked Polyethylene
Metallic Shield :	Annealed copper tape (CTS)
Filler :	Non-hygroscopic material
Wrapping Tape : Inner Sheath : Armour : Wrapping Tape : Outer Sheath :	Polyester / Non-woven tape Black PVC (Polyvinyl Chloride) Aluminium wire Polyester / Non-woven tape Black PVC (Polyvinyl Chloride)

Technical Data:

Voltage :	1.8/3(3.6) kV
Reference :	IEC 60228 & IEC 60502-1
AC Testing Voltage :	6.5kV
Max. Conductor Temperature :	90oC (normal operation)
Max. Conductor Temperature :	250oC (short circuit at 5s max. duration)
Special Properties upon request :	Flame-retardant sheath LSHF sheath (PE) Polyethylene sheath

MEDIUM VOLTAGE CABLES
3.6/6(7.2) kV, XLPE INSULATED,
PVC SHEATHED ALUMINIUM WIRE ARMOUR
1 CORE CU/XLPE/CTS/PVC/AWA/PVC



Application

Used for urban networks. Exposed in aerial, direct burial, conduit, open tray and underground duct installation.

Construction:

Conductor :	Compact round stranded anneal copper
Conductor Screen :	Semi-conducting Cross-linked Polyethylene
Insulation :	XLPE (Cross-linked Polyethylene)
Insulation Screen :	Semi-conducting Cross-linked Polyethylene
Metallic Shield :	Annealed copper tape (CTS)
Filler :	Non-hygroscopic material
Wrapping Tape : Inner Sheath : Armour : Wrapping Tape : Outer Sheath :	Polyester / Non-woven tape Black PVC (Polyvinyl Chloride) Aluminium wire Polyester / Non-woven tape Black PVC (Polyvinyl Chloride)

Technical Data:

Voltage :	3.6/6(7.2) kV
Reference :	IEC 60228 & IEC 60502-2
AC Testing Voltage :	12.5kV
Max. Conductor Temperature :	90oC (normal operation)
Max. Conductor Temperature :	250oC (short circuit at 5s max. duration)
Special Properties upon request :	Flame-retardant sheath LSHF sheath (PE) Polyethylene sheath

Nominal cross-sectional area of conductor	Number and diameter of wires	Thickness of insulation	Nom. Dia. Of Armour Wire	Thickness of oversheath	Approx overall diameter	Approx net weight	Maximum Conductor Resistance at 20oC	Ampacities direct burial in ground at 30oC (A)	Ampacities in free air at 40oC (ambient) (A)
Core x (mm)	(no/mm)	(mm)	(mm)	(mm)	(mm)	(kg/km)	(Ohm/km)	(A)	
1 x 10	6	2.0	1.25	1.8	20	540	1.83	90	100
1 x 16	6	2.0	1.25	1.8	21	630	1.15	115	125
1 x 25	6	2.0	1.6	1.8	23	800	0.727	150	165
1 x 35	6	2.0	1.6	1.8	24	940	0.524	180	200
1 x 50	6	2.0	1.6	1.8	26	1120	0.387	210	240
1 x 70	12	2.0	1.6	1.8	27	1360	0.268	260	295
1 x 95	15	2.0	1.6	1.9	29	1670	0.193	310	365
1 x 120	18	2.0	1.6	1.9	30	1950	0.153	350	420
1 x 150	18	2.0	1.6	2.0	32	2290	0.124	395	475
1 x 185	30	2.0	2.0	2.0	34	2760	0.0991	450	545
1 x 240	34	2.0	2.0	2.1	37	3380	0.0754	520	640
1 x 300	34	2.0	2.0	2.2	40	4040	0.0601	585	740
1 x 400	53	2.0	2.0	2.3	43	5110	0.0470	670	850

Nominal cross-sectional area of conductor	Number and diameter of wires	Thickness of insulation	Nom. Dia. Of Armour Wire	Thickness of oversheath	Approx overall diameter	Approx net weight	Maximum Conductor Resistance at 20oC	Ampacities direct burial in ground at 30oC (A)	Ampacities in free air at 40oC (ambient) (A)
Core x (mm)	(no/mm)	(mm)	(mm)	(mm)	(mm)	(kg/km)	(Ohm/km)	(A)	
1 x 10	6	2.5	1.25	1.8	22	580	1.83	90	100
1 x 16	6	2.5	1.6	1.8	24	720	1.15	115	125
1 x 25	6	2.5	1.6	1.8	25	860	0.727	150	165
1 x 35	6	2.5	1.6	1.8	26	990	0.524	180	200
1 x 50	6	2.5	1.6	1.8	28	1180	0.387	210	240
1 x 70	12	2.5	1.6	1.8	29	1420	0.268	260	295
1 x 95	15	2.5	1.6	1.9	31	1730	0.193	310	365
1 x 120	18	2.5	1.6	2.0	33	2030	0.153	350	420
1 x 150	18	2.5	2.0	2.0	35	2440	0.124	395	475
1 x 185	30	2.5	2.0	2.1	37	2850	0.0991	450	545
1 x 240	34	2.6	2.0	2.2	40	3490	0.0754	520	640
1 x 300	34	2.8	2.0	2.3	43	4190	0.0601	585	740
1 x 400	53	3.0	2.5	2.4	47	5450	0.0470	670	850

MEDIUM VOLTAGE CABLES
6/10(12) kV, XLPE INSULATED,
PVC SHEATHED ALUMINIUM WIRE ARMOUR
1 CORE CU/XLPE/CTS/PVC/AWA/PVC



Application

Used for urban networks. Exposed in aerial, direct burial, conduit, open tray and underground duct installation.

Construction:

Conductor :	Compact round stranded anneal copper
Conductor Screen :	Semi-conducting Cross-linked Polyethylene
Insulation :	XLPE (Cross-linked Polyethylene)
Insulation Screen :	Semi-conducting Cross-linked Polyethylene
Metallic Shield :	Annealed copper tape (CTS)
Filler :	Non-hygroscopic material
Wrapping Tape :	Polyester / Non-woven tape
Inner Sheath :	Black PVC (Polyvinyl Chloride)
Armour :	Aluminium wire
Wrapping Tape :	Polyester / Non-woven tape
Outer Sheath :	Black PVC (Polyvinyl Chloride)

Technical Data:

Voltage :	6/10(12) kV
Reference :	IEC 60228 & IEC 60502-2
AC Testing Voltage :	21kV
Max. Conductor Temperature :	90oC (normal operation)
Max. Conductor Temperature :	250oC (short circuit at 5s max. duration)
Special Properties upon request :	Flame-retardant sheath LSHF sheath (PE) Polyethylene sheath

MEDIUM VOLTAGE CABLES
8.7/15(17.5) kV, XLPE INSULATED,
PVC SHEATHED ALUMINIUM WIRE ARMOUR
1 CORE CU/XLPE/CTS/PVC/AWA/PVC



Application

Used for urban networks. Exposed in aerial, direct burial, conduit, open tray and underground duct installation.

Construction:

Conductor :	Compact round stranded anneal copper
Conductor Screen :	Semi-conducting Cross-linked Polyethylene
Insulation :	XLPE (Cross-linked Polyethylene)
Insulation Screen :	Semi-conducting Cross-linked Polyethylene
Metallic Shield :	Annealed copper tape (CTS)
Filler :	Non-hygroscopic material
Wrapping Tape :	Polyester / Non-woven tape
Inner Sheath :	Black PVC (Polyvinyl Chloride)
Armour :	Aluminium wire
Wrapping Tape :	Polyester / Non-woven tape
Outer Sheath :	Black PVC (Polyvinyl Chloride)

Technical Data:

Voltage :	8.7/15(17.5) kV
Reference :	IEC 60228 & IEC 60502-2
AC Testing Voltage :	30.5kV
Max. Conductor Temperature :	90oC (normal operation)
Max. Conductor Temperature :	250oC (short circuit at 5s max. duration)
Special Properties upon request :	Flame-retardant sheath LSHF sheath (PE) Polyethylene sheath

Nominal cross-sectional area of conductor	Number and diameter of wires	Thickness of insulation	Nom. Dia. Of Armour Wire	Thickness of oversheath	Approx overall diameter	Approx net weight	Maximum Conductor Resistance at 20oC	Ampacities direct burial in ground at 30oC (A)	Ampacities in free air at 40oC (ambient)
Core x (mm)	(no/mm)	(mm)	(mm)	(mm)	(mm)	(kg/km)	(Ohm/km)	(A)	(A)
1 x 10	-	-	-	-	-	-	-	-	-
1 x 16	6	3.4	1.6	1.8	25	810	1.15	110	120
1 x 25	6	3.4	1.6	1.8	26	940	0.727	140	160
1 x 35	6	3.4	1.6	1.8	27	1080	0.524	170	195
1 x 50	6	3.4	1.6	1.9	29	1290	0.387	200	235
1 x 70	12	3.4	1.6	1.9	30	1530	0.268	250	290
1 x 95	15	3.4	1.6	2.0	32	1850	0.193	295	360
1 x 120	18	3.4	2.0	2.0	35	2230	0.153	335	415
1 x 150	18	3.4	2.0	2.1	36	2580	0.124	375	470
1 x 185	30	3.4	2.0	2.2	38	2990	0.0991	430	540
1 x 240	34	3.4	2.0	2.2	41	3610	0.0754	495	635
1 x 300	34	3.4	2.0	2.3	43	4270	0.0601	560	735
1 x 400	53	3.4	2.5	2.5	48	5540	0.0470	640	845

Nominal cross-sectional area of conductor	Number and diameter of wires	Thickness of insulation	Nom. Dia. Of Armour Wire	Thickness of oversheath	Approx overall diameter	Approx net weight	Maximum Conductor Resistance at 20oC	Ampacities direct burial in ground at 30oC (A)	Ampacities in free air at 40oC (ambient)
Core x (mm)	(no/mm)	(mm)	(mm)	(mm)	(mm)	(kg/km)	(Ohm/km)	(A)	(A)
1 x 10	-	-	-	-	-	-	-	-	-
1 x 16	-	-	-	-	-	-	-	-	-
1 x 25	6	4.5	1.6	1.8	28	1070	0.727	140	155
1 x 35	6	4.5	1.6	1.9	30	1220	0.524	170	190
1 x 50	6	4.5	1.6	1.9	31	1425	0.387	200	230
1 x 70	12	4.5	1.6	2.0	33	1690	0.268	250	285
1 x 95	15	4.5	2.0	2.1	36	2095	0.193	295	355
1 x 120	18	4.5	2.0	2.1	37	2395	0.153	335	410
1 x 150	18	4.5	2.0	2.2	39	2755	0.124	375	455
1 x 185	30	4.5	2.0	2.2	41	3160	0.0991	430	525
1 x 240	34	4.5	2.0	2.3	43	3810	0.0754	495	620
1 x 300	34	4.5	2.5	2.4	47	4640	0.0601	560	720
1 x 400	53	4.5	2.5	2.5	50	5755	0.0470	640	825

MEDIUM VOLTAGE CABLES
12/20(24) kV, XLPE INSULATED,
PVC SHEATHED ALUMINIUM WIRE ARMOUR
1 CORE CU/XLPE/CTS/PVC/AWA/PVC



Application

Used for urban networks. Exposed in aerial, direct burial, conduit, open tray and underground duct installation.

Construction:

Conductor :	Compact round stranded anneal copper
Conductor Screen :	Semi-conducting Cross-linked Polyethylene
Insulation :	XLPE (Cross-linked Polyethylene)
Insulation Screen :	Semi-conducting Cross-linked Polyethylene
Metallic Shield :	Annealed copper tape (CTS)
Filler :	Non-hygroscopic material
Wrapping Tape :	Polyester / Non-woven tape
Inner Sheath :	Black PVC (Polyvinyl Chloride)
Armour :	Aluminium wire
Wrapping Tape :	Polyester / Non-woven tape
Outer Sheath :	Black PVC (Polyvinyl Chloride)

Technical Data:

Voltage :	12/20(24) kV
Reference :	IEC 60228 & IEC 60502-2
AC Testing Voltage :	42kV
Max. Conductor Temperature :	90oC (normal operation)
Max. Conductor Temperature :	250oC (short circuit at 5s max. duration)
Special Properties upon request :	Flame-retardant sheath LSHF sheath (PE) Polyethylene sheath

MEDIUM VOLTAGE CABLES
18/30(36) kV, XLPE INSULATED,
PVC SHEATHED ALUMINIUM WIRE ARMOUR
1 CORE CU/XLPE/CTS/PVC/AWA/PVC



Application

Used for urban networks. Exposed in aerial, direct burial, conduit, open tray and underground duct installation.

Construction:

Conductor :	Compact round stranded anneal copper
Conductor Screen :	Semi-conducting Cross-linked Polyethylene
Insulation :	XLPE (Cross-linked Polyethylene)
Insulation Screen :	Semi-conducting Cross-linked Polyethylene
Metallic Shield :	Annealed copper tape (CTS)
Filler :	Non-hygroscopic material
Wrapping Tape :	Polyester / Non-woven tape
Inner Sheath :	Black PVC (Polyvinyl Chloride)
Armour :	Aluminium wire
Wrapping Tape :	Polyester / Non-woven tape
Outer Sheath :	Black PVC (Polyvinyl Chloride)

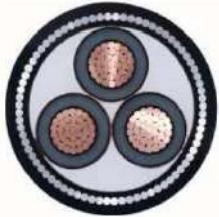
Technical Data:

Voltage :	18/30(36) kV
Reference :	IEC 60228 & IEC 60502-2
AC Testing Voltage :	63kV
Max. Conductor Temperature :	90oC (normal operation)
Max. Conductor Temperature :	250oC (short circuit at 5s max. duration)
Special Properties upon request :	Flame-retardant sheath LSHF sheath (PE) Polyethylene sheath

Nominal cross-sectional area of conductor	Number and diameter of wires	Thickness of insulation	Nom. Dia. Of Armour Wire	Thickness of oversheath	Approx overall diameter	Approx net weight	Maximum Conductor Resistance at 20oC	Ampacities direct burial in ground at 30oC (A)	Ampacities in free air at 40oC (ambient) (A)
Core x (mm)	(no/mm)	(mm)	(mm)	(mm)	(mm)	(kg/km)	(Ohm/km)	(A)	(A)
1 x 10	-	-	-	-	-	-	-	-	-
1 x 16	-	-	-	-	-	-	-	-	-
1 x 25	-	-	-	-	-	-	-	-	-
1 x 35	6	5.5	1.6	2.0	32	1360	0.524	170	200
1 x 50	6	5.5	2.0	2.0	34	1645	0.387	200	240
1 x 70	12	5.5	2.0	2.1	36	1925	0.268	250	295
1 x 95	15	5.5	2.0	2.1	38	2240	0.193	295	365
1 x 120	18	5.5	2.0	2.2	39	2560	0.153	335	420
1 x 150	18	5.5	2.0	2.2	41	2905	0.124	375	475
1 x 185	30	5.5	2.0	2.3	43	3340	0.0991	430	545
1 x 240	34	5.5	2.5	2.4	47	4150	0.0754	495	640
1 x 300	34	5.5	2.5	2.5	49	4850	0.0601	560	740
1 x 400	53	5.5	2.5	2.6	53	6000	0.0470	640	850

Nominal cross-sectional area of conductor	Number and diameter of wires	Thickness of insulation	Nom. Dia. Of Armour Wire	Thickness of oversheath	Approx overall diameter	Approx net weight	Maximum Conductor Resistance at 20oC	Ampacities direct burial in ground at 30oC (A)	Ampacities in free air at 40oC (ambient) (A)
Core x (mm)	(no/mm)	(mm)	(mm)	(mm)	(mm)	(kg/km)	(Ohm/km)	(A)	(A)
1 x 10	-	-	-	-	-	-	-	-	-
1 x 16	-	-	-	-	-	-	-	-	-
1 x 25	-	-	-	-	-	-	-	-	-
1 x 35	-	-	-	-	-	-	-	-	-
1 x 50	6	8.0	2.0	2.2	40	2030	0.387	200	235
1 x 70	12	8.0	2.0	2.3	42	2320	0.268	250	290
1 x 95	15	8.0	2.0	2.3	43	2660	0.193	295	360
1 x 120	18	8.0	2.5	2.4	46	3160	0.153	335	415
1 x 150	18	8.0	2.5	2.5	48	3530	0.124	375	470
1 x 185	30	8.0	2.5	2.5	50	3980	0.0991	430	540
1 x 240	34	8.0	2.5	2.6	53	4690	0.0754	495	635
1 x 300	34	8.0	2.5	2.7	56	5400	0.0601	560	735
1 x 400	53	8.0	2.5	2.8	59	6580	0.047	640	845

MEDIUM VOLTAGE CABLES
1.8/3(3.6) kV, XLPE INSULATED,
PVC SHEATHED STEEL WIRE ARMOUR
3 CORES CU/XLPE/CTS/PVC/SWA/PVC



Application

Used for urban networks. Exposed in aerial, direct burial, conduit, open tray and underground duct installation.

Construction:

Conductor :	Compact round stranded anneal copper
Conductor Screen :	Semi-conducting Cross-linked Polyethylene
Insulation :	XLPE (Cross-linked Polyethylene)
Insulation Screen :	Semi-conducting Cross-linked Polyethylene
Metallic Shield :	Annealed copper tape (CTS)
Filler :	Non-hygrosopic material
Wrapping Tape :	Polyester / Non-woven tape
Inner Sheath :	Black PVC (Polyvinyl Chloride)
Armour :	Galvanized steel wire
Wrapping Tape :	Polyester / Non-woven tape
Outer Sheath :	Black PVC (Polyvinyl Chloride)

Technical Data:

Voltage :	1.8/3(3.6) kV
Reference :	IEC 60228 & IEC 60502-2
AC Testing Voltage :	6.5kV
Max. Conductor Temperature :	90oC (normal operation)
Max. Conductor Temperature :	250oC (short circuit at 5s max. duration)
Special Properties upon request :	Flame-retardant sheath LSHF sheath (PE) Polyethylene sheath



MEDIUM VOLTAGE CABLES
3.6/6(7.2) kV, XLPE INSULATED,
PVC SHEATHED STEEL WIRE ARMOUR
3 CORES CU/XLPE/CTS/PVC/SWA/PVC

Application

Used for urban networks. Exposed in aerial, direct burial, conduit, open tray and underground duct installation.

Construction:

Conductor :	Compact round stranded anneal copper
Conductor Screen :	Semi-conducting Cross-linked Polyethylene
Insulation :	XLPE (Cross-linked Polyethylene)
Insulation Screen :	Semi-conducting Cross-linked Polyethylene
Metallic Shield :	Annealed copper tape (CTS)
Filler :	Non-hygrosopic material
Wrapping Tape :	Polyester / Non-woven tape
Inner Sheath :	Black PVC (Polyvinyl Chloride)
Armour :	Galvanized steel wire
Wrapping Tape :	Polyester / Non-woven tape
Outer Sheath :	Black PVC (Polyvinyl Chloride)

Technical Data:

Voltage :	3.6/6(7.2) kV
Reference :	IEC 60228 & IEC 60502-2
AC Testing Voltage :	12.5kV
Max. Conductor Temperature :	90oC (normal operation)
Max. Conductor Temperature :	250oC (short circuit at 5s max. duration)
Special Properties upon request :	Flame-retardant sheath LSHF sheath (PE) Polyethylene sheath

Nominal cross-sectional area of conductor	Number and diameter of wires	Thickness of insulation	Nom. Dia. Of Armour Wire	Thickness of oversheath	Approx overall diameter	Approx net weight	Maximum Conductor Resistance at 20oC	Ampacities direct burial in ground at 30oC (A)	Ampacities in free air at 40oC (ambient) (A)
Core x (mm)	(no/mm)	(mm)	(mm)	(mm)	(mm)	(kg/km)	(Ohm/km)	(A)	(A)
3 x 10	6	2.0	2.0	2.0	35	2160	1.83	85	80
3 x 16	6	2.0	2.0	2.1	38	2500	1.15	105	105
3 x 25	6	2.0	2.0	2.2	40	2980	0.727	135	140
3 x 35	6	2.0	2.0	2.3	43	3450	0.524	165	170
3 x 50	6	2.0	2.5	2.4	47	4540	0.387	195	205
3 x 70	12	2.0	2.5	2.5	51	5420	0.268	235	250
3 x 95	15	2.0	2.5	2.7	55	6560	0.193	280	305
3 x 120	18	2.0	2.5	2.8	59	7620	0.153	315	345
3 x 150	18	2.0	2.5	2.9	62	8740	0.124	350	390
3 x 185	30	2.0	2.5	3.0	66	10160	0.0991	395	445
3 x 240	34	2.0	2.5	3.2	72	12350	0.0754	450	520
3 x 300	34	2.0	3.15	3.5	80	15520	0.0601	495	580
3 x 400	53	2.0	3.15	3.7	87	19220	0.0470	545	655

Nominal cross-sectional area of conductor	Number and diameter of wires	Thickness of insulation	Nom. Dia. Of Armour Wire	Thickness of oversheath	Approx overall diameter	Approx net weight	Maximum Conductor Resistance at 20oC	Ampacities direct burial in ground at 30oC (A)	Ampacities in free air at 40oC (A)
Core x (mm)	(no/mm)	(mm)	(mm)	(mm)	(mm)	(kg/km)	(Ohm/km)	(A)	(A)
3 x 10	6	2.5	2.0	2.1	38	2360	1.83	85	80
3 x 16	6	2.5	2.0	2.2	40	2720	1.15	105	105
3 x 25	6	2.5	2.0	2.3	43	3200	0.727	135	140
3 x 35	6	2.5	2.5	2.4	47	4090	0.524	165	170
3 x 50	6	2.5	2.5	2.5	50	4830	0.387	195	205
3 x 70	12	2.5	2.5	2.6	53	5740	0.268	235	250
3 x 95	15	2.5	2.5	2.8	57	6830	0.193	280	305
3 x 120	18	2.5	2.5	2.9	61	7900	0.153	315	345
3 x 150	18	2.5	2.5	3.0	64	9100	0.124	350	390
3 x 185	30	2.5	2.5	3.1	69	10510	0.0991	395	445
3 x 240	34	2.6	3.15	3.4	77	13680	0.0754	450	520
3 x 300	34	2.8	3.15	3.6	84	16160	0.0601	495	580
3 x 400	53	3.0	3.15	3.9	92	20160	0.0470	545	655

MEDIUM VOLTAGE CABLES
6/10(12) kV, XLPE INSULATED,
PVC SHEATHED STEEL WIRE ARMOUR
3 CORES CU/XLPE/CTS/PVC/SWA/PVC



Application

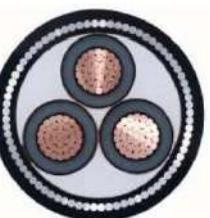
Used for urban networks. Exposed in aerial, direct burial, conduit, open tray and underground duct installation.

Construction:

Conductor :	Compact round stranded anneal copper
Conductor Screen :	Semi-conducting Cross-linked Polyethylene
Insulation :	XLPE (Cross-linked Polyethylene)
Insulation Screen :	Semi-conducting Cross-linked Polyethylene
Metallic Shield :	Annealed copper tape (CTS)
Filler :	Non-hygroscopic material
Wrapping Tape :	Polyester / Non-woven tape
Inner Sheath :	Black PVC (Polyvinyl Chloride)
Armour :	Galvanized steel wire
Wrapping Tape :	Polyester / Non-woven tape
Outer Sheath :	Black PVC (Polyvinyl Chloride)

Technical Data:

Voltage :	6/10(12) kV
Reference :	IEC 60228 & IEC 60502-2
AC Testing Voltage :	21kV
Max. Conductor Temperature :	90oC (normal operation)
Max. Conductor Temperature :	250oC (short circuit at 5s max. duration)
Special Properties upon request :	Flame-retardant sheath LSHF sheath (PE) Polyethylene sheath



MEDIUM VOLTAGE CABLES
8.7/15(17.5) kV, XLPE INSULATED,
PVC SHEATHED STEEL WIRE ARMOUR
3 CORES CU/XLPE/CTS/PVC/SWA/PVC

Application

Used for urban networks. Exposed in aerial, direct burial, conduit, open tray and underground duct installation.

Construction:

Conductor :	Compact round stranded anneal copper
Conductor Screen :	Semi-conducting Cross-linked Polyethylene
Insulation :	XLPE (Cross-linked Polyethylene)
Insulation Screen :	Semi-conducting Cross-linked Polyethylene
Metallic Shield :	Annealed copper tape (CTS)
Filler :	Non-hygroscopic material
Wrapping Tape :	Polyester / Non-woven tape
Inner Sheath :	Black PVC (Polyvinyl Chloride)
Armour :	Galvanized steel wire
Wrapping Tape :	Polyester / Non-woven tape
Outer Sheath :	Black PVC (Polyvinyl Chloride)

Technical Data:

Voltage :	8.7/15(17.5) kV
Reference :	IEC 60228 & IEC 60502-2
AC Testing Voltage :	30.5kV
Max. Conductor Temperature :	90oC (normal operation)
Max. Conductor Temperature :	250oC (short circuit at 5s max. duration)
Special Properties upon request :	Flame-retardant sheath LSHF sheath (PE) Polyethylene sheath

Nominal cross-sectional area of conductor	Number and diameter of wires	Thickness of insulation	Nom. Dia. Of Armour Wire	Thickness of oversheath	Approx overall diameter	Approx net weight	Maximum Conductor Resistance at 20oC	Ampacities direct burial in ground at 30oC	Ampacities in free air at 40oC (ambient)
Core x (mm)	(no/mm)	(mm)	(mm)	(mm)	(mm)	(kg/km)	(Ohm/km)	(A)	(A)
3 x 10	-	-	-	-	-	-	-	-	-
3 x 16	6	3.4	2.0	2.3	44	3120	1.15	105	105
3 x 25	6	3.4	2.5	2.5	49	4090	0.727	135	140
3 x 35	6	3.4	2.5	2.6	50	4590	0.524	165	170
3 x 50	6	3.4	2.5	2.7	54	5370	0.387	195	210
3 x 70	12	3.4	2.5	2.8	58	6300	0.268	235	255
3 x 95	15	3.4	2.5	2.9	62	7390	0.193	280	310
3 x 120	18	3.4	2.5	3.0	66	8530	0.153	315	350
3 x 150	18	3.4	2.5	3.1	69	9680	0.124	350	395
3 x 185	30	3.4	2.5	3.3	73	11180	0.0991	395	450
3 x 240	34	3.4	3.15	3.5	81	14270	0.0754	450	525
3 x 300	34	3.4	3.15	3.7	87	16680	0.0601	495	585
3 x 400	53	3.4	3.15	3.9	94	20540	0.0470	545	660

Nominal cross-sectional area of conductor	Number and diameter of wires	Thickness of insulation	Nom. Dia. Of Armour Wire	Thickness of oversheath	Approx overall diameter	Approx net weight	Maximum Conductor Resistance at 20oC	Ampacities direct burial in ground at 30oC	Ampacities in free air at 40oC (ambient)
Core x (mm)	(no/mm)	(mm)	(mm)	(mm)	(mm)	(kg/km)	(Ohm/km)	(A)	(A)
3 x 10	-	-	-	-	-	-	-	-	-
3 x 16	-	-	-	-	-	-	-	-	-
3 x 25	6	4.5	2.5	2.7	54	4730	0.727	135	140
3 x 35	6	4.5	2.5	2.7	56	5220	0.524	165	170
3 x 50	6	4.5	2.5	2.8	60	6030	0.387	195	210
3 x 70	12	4.5	2.5	3.0	64	7020	0.268	235	255
3 x 95	15	4.5	2.5	3.1	68	8180	0.193	280	310
3 x 120	18	4.5	2.5	3.2	72	9310	0.153	315	350
3 x 150	18	4.5	3.15	3.4	77	11340	0.124	350	395
3 x 185	30	4.5	3.15	3.5	81	12890	0.0991	390	450
3 x 240	34	4.5	3.15	3.7	87	15220	0.0754	445	525
3 x 300	34	4.5	3.15	3.9	92	17680	0.0601	490	585
3 x 400	53	4.5	3.15	4.1	100	21540	0.0470	540	660

MEDIUM VOLTAGE CABLES
12/20(24) kV, XLPE INSULATED,
PVC SHEATHED STEEL WIRE ARMOUR
3 CORES CU/XLPE/CTS/PVC/SWA/PVC



Application

Used for urban networks. Exposed in aerial, direct burial, conduit, open tray and underground duct installation.

Construction:

Conductor :	Compact round stranded anneal copper
Conductor Screen :	Semi-conducting Cross-linked Polyethylene
Insulation :	XLPE (Cross-linked Polyethylene)
Insulation Screen :	Semi-conducting Cross-linked Polyethylene
Metallic Shield :	Annealed copper tape (CTS)
Filler :	Non-hygroscopic material
Wrapping Tape :	Polyester / Non-woven tape
Inner Sheath :	Black PVC (Polyvinyl Chloride)
Armour :	Galvanized steel wire
Wrapping Tape :	Polyester / Non-woven tape
Outer Sheath :	Black PVC (Polyvinyl Chloride)

Technical Data:

Voltage :	12/20(24) kV
Reference :	IEC 60228 & IEC 60502-2
AC Testing Voltage :	42kV
Max. Conductor Temperature :	90oC (normal operation)
Max. Conductor Temperature :	250oC (short circuit at 5s max. duration)
Special Properties upon request :	Flame-retardant sheath LSHF sheath (PE) Polyethylene sheath

MEDIUM VOLTAGE CABLES
18/30(36) kV, XLPE INSULATED,
PVC SHEATHED STEEL WIRE ARMOUR
3 CORES CU/XLPE/CTS/PVC/SWA/PVC



Application

Used for urban networks. Exposed in aerial, direct burial, conduit, open tray and underground duct installation.

Construction:

Conductor :	Compact round stranded anneal copper
Conductor Screen :	Semi-conducting Cross-linked Polyethylene
Insulation :	XLPE (Cross-linked Polyethylene)
Insulation Screen :	Semi-conducting Cross-linked Polyethylene
Metallic Shield :	Annealed copper tape (CTS)
Filler :	Non-hygroscopic material
Wrapping Tape :	Polyester / Non-woven tape
Inner Sheath :	Black PVC (Polyvinyl Chloride)
Armour :	Galvanized steel wire
Wrapping Tape :	Polyester / Non-woven tape
Outer Sheath :	Black PVC (Polyvinyl Chloride)

Technical Data:

Voltage :	18/30(36) kV
Reference :	IEC 60228 & IEC 60502-2
AC Testing Voltage :	63kV
Max. Conductor Temperature :	90oC (normal operation)
Max. Conductor Temperature :	250oC (short circuit at 5s max. duration)
Special Properties upon request :	Flame-retardant sheath LSHF sheath (PE) Polyethylene sheath

Nominal cross-sectional area of conductor	Number and diameter of wires	Thickness of insulation	Nom. Dia. Of Armour Wire	Thickness of oversheath	Approx overall diameter	Approx net weight	Maximum Conductor Resistance at 20oC	Ampacities direct burial in ground at 30oC (A)	Ampacities in free air at 40oC (ambient) (A)
Core x (mm²)	(no/mm)	(mm)	(mm)	(mm)	(mm)	(kg/km)	(Ohm/km)	(A)	(A)
3 x 10	-	-	-	-	-	-	-	-	-
3 x 16	-	-	-	-	-	-	-	-	-
3 x 25	-	-	-	-	-	-	-	-	-
3 x 35	6	5.5	2.5	2.9	62	5980	0.524	165	175
3 x 50	6	5.5	2.5	3.0	65	6720	0.387	195	215
3 x 70	12	5.5	2.5	3.1	69	7670	0.268	235	260
3 x 95	15	5.5	2.5	3.3	73	8880	0.193	280	315
3 x 120	18	5.5	3.15	3.4	79	10910	0.153	315	355
3 x 150	18	5.5	3.15	3.5	82	12180	0.124	350	400
3 x 185	30	5.5	3.15	3.7	86	13730	0.0991	390	455
3 x 240	34	5.5	3.15	3.9	92	16170	0.0754	445	525
3 x 300	34	5.5	3.15	4.0	97	18560	0.0601	490	585
3 x 400	53	5.5	3.15	4.2	105	22530	0.0470	540	660

Nominal cross-sectional area of conductor	Number and diameter of wires	Thickness of insulation	Nom. Dia. Of Armour Wire	Thickness of oversheath	Approx overall diameter	Approx net weight	Maximum Conductor Resistance at 20oC	Ampacities direct burial in ground at 30oC (A)	Ampacities in free air at 40oC (ambient) (A)
Core x (mm²)	(no/mm)	(mm)	(mm)	(mm)	(mm)	(kg/km)	(Ohm/km)	(A)	(A)
3 x 10	-	-	-	-	-	-	-	-	-
3 x 16	-	-	-	-	-	-	-	-	-
3 x 25	-	-	-	-	-	-	-	-	-
3 x 35	-	-	-	-	-	-	-	-	-
3 x 50	6	8.0	3.15	3.5	80	9400	0.387	195	215
3 x 70	12	8.0	3.15	3.6	83	10480	0.268	235	260
3 x 95	15	8.0	3.15	3.7	87	11790	0.193	275	315
3 x 120	18	8.0	3.15	3.8	91	13040	0.153	310	355
3 x 150	18	8.0	3.15	3.9	95	14400	0.124	345	400
3 x 185	30	8.0	3.15	4.1	98	15990	0.0991	390	455
3 x 240	34	8.0	3.15	4.3	105	18540	0.0754	445	525
3 x 300	34	8.0	3.15	4.4	110	21080	0.0601	490	585
3 x 400	53	8.0	3.15	4.7	117	25160	0.0470	540	660

MEDIUM VOLTAGE CABLES
15 kV, 133% XLPE INSULATED,
PVC SHEATHED NON-ARMOUR
1 CORE CU/XLPE/CTS/PVC



Application

Used for urban networks. Exposed in aerial, direct burial, conduit, open tray and underground duct installation.

Construction:

Conductor :	Compact round stranded anneal copper
Conductor Screen :	Semi-conducting Cross-linked Polyethylene
Insulation :	XLPE (Cross-linked Polyethylene)
Insulation Screen :	Semi-conducting Cross-linked Polyethylene
Metallic Shield :	Annealed copper tape (CTS)
Filler :	Non-hygroscopic material
Wrapping Tape :	Polyester / Non-woven tape --
Inner Sheath :	Polyester / Non-woven tape
Armour :	Black PVC (Polyvinyl Chloride)
Wrapping Tape :	Polyester / Non-woven tape
Outer Sheath :	Black PVC (Polyvinyl Chloride)

Technical Data:

Voltage :	15 kV
Reference :	IEC 60228 & IEC 60502-2
AC Testing Voltage :	33kV
Max. Conductor Temperature :	90oC (normal operation)
Max. Conductor Temperature :	250oC (short circuit at 5s max. duration)
Special Properties upon request :	Flame-retardant sheath LSHF sheath (PE) Polyethylene sheath



MEDIUM VOLTAGE CABLES
25 kV, 133% XLPE INSULATED,
PVC SHEATHED NON-ARMOUR
1 CORE CU/XLPE/CTS/PVC

Application

Used for urban networks. Exposed in aerial, direct burial, conduit, open tray and underground duct installation.

Construction:

Conductor :	Compact round stranded anneal copper
Conductor Screen :	Semi-conducting Cross-linked Polyethylene
Insulation :	XLPE (Cross-linked Polyethylene)
Insulation Screen :	Semi-conducting Cross-linked Polyethylene
Metallic Shield :	Annealed copper tape (CTS)
Filler :	Non-hygroscopic material
Wrapping Tape :	Polyester / Non-woven tape --
Inner Sheath :	Polyester / Non-woven tape
Armour :	Black PVC (Polyvinyl Chloride)
Wrapping Tape :	Polyester / Non-woven tape
Outer Sheath :	Black PVC (Polyvinyl Chloride)

Technical Data:

Voltage :	25 kV
Reference :	IEC 60228 & IEC 60502-2
AC Testing Voltage :	49kV
Max. Conductor Temperature :	90oC (normal operation)
Max. Conductor Temperature :	250oC (short circuit at 5s max. duration)
Special Properties upon request :	Flame-retardant sheath LSHF sheath (PE) Polyethylene sheath

Nominal cross-sectional area of conductor	Number and diameter of wires	Thickness of insulation	Nom. Dia. Of Armour Wire	Thickness of oversheath	Approx overall diameter	Approx net weight	Maximum Conductor Resistance at 20oC	Ampacities direct burial in ground at 30oC (A)	Ampacities in free air at 40oC (ambient) (A)
Core x (mm²)	(no/mm)	(mm)	(mm)	(mm)	(mm)	(kg/km)	(Ohm/km)		
1 x 10	-	-	-	-	-	-	-	-	-
1 x 16	6	5.46	-	2.0	26	790	1.15	140	155
1 x 25	6	5.46	-	2.0	27	920	0.727	170	190
1 x 35	6	5.46	-	2.0	28	1100	0.524	200	230
1 x 50	6	5.46	-	2.0	30	1330	0.387	250	285
1 x 70	12	5.46	-	2.0	32	1620	0.268	295	355
1 x 95	15	5.46	-	2.0	33	1900	0.193	335	410
1 x 120	18	5.46	-	2.0	35	2220	0.153	375	455
1 x 150	18	5.46	-	2.0	37	2600	0.124	430	525
1 x 185	30	5.46	-	2.0	39	3180	0.0991	495	620
1 x 240	34	5.46	-	2.0	42	3800	0.0754	650	720
1 x 300	34	5.46	-	2.0	46	4980	0.0601	640	825
1 x 400	53	5.46	-	2.7	50	6020	0.0470	725	950

Nominal cross-sectional area of conductor	Number and diameter of wires	Thickness of insulation	Nom. Dia. Of Armour Wire	Thickness of oversheath	Approx overall diameter	Approx net weight	Maximum Conductor Resistance at 20oC	Ampacities direct burial in ground at 30oC (A)	Ampacities in free air at 40oC (A)
Core x (mm²)	(no/mm)	(mm)	(mm)	(mm)	(mm)	(kg/km)	(Ohm/km)		
1 x 10	-	-	-	-	-	-	-	-	-
1 x 16	-	-	-	-	-	-	-	-	-
1 x 25	-	-	-	-	-	-	-	-	-
1 x 35	6	8.76	-	2.0	34	1260	0.524	170	200
1 x 50	6	8.76	-	2.0	36	1460	0.387	200	240
1 x 70	12	8.76	-	2.0	37	1710	0.268	250	295
1 x 95	15	8.76	-	2.0	39	2010	0.193	295	365
1 x 120	18	8.76	-	2.0	41	2300	0.153	335	420
1 x 150	18	8.76	-	2.0	42	2640	0.124	375	475
1 x 185	30	8.76	-	2.7	45	3180	0.0991	430	545
1 x 240	34	8.76	-	2.7	48	3800	0.0754	495	640
1 x 300	34	8.76	-	2.7	50	4460	0.0601	560	740
1 x 400	53	8.76	-	2.7	53	5520	0.0470	640	850

Project Reference



HONGKONG Kai Tak Sports Park

HONGKONG YOHO-WEST



HONGKONG NOVO Land



Nanning International Convention and Exhibition Center



Project Reference

Nur Sultan City Government



Shiji Bridge



OLYMPIC STADIUM



Pazhou International Convention and Exhibition Center

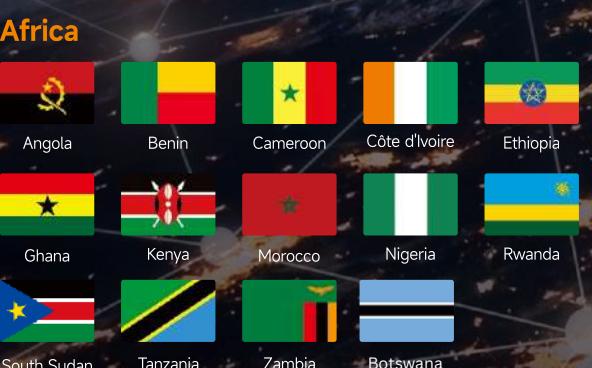


STAR CITY



ONE PARK

Global Layout



POWERING ⁷
THE FUTURE