



NEXT-GEN
CABLE SOLUTIONS

ABOUT US



OX-LINK ELECTRONICS LLP is a premier manufacturer specializing in a diverse range of cables for various industries globally. Established in 2023, our commitment to excellence and innovation ensures that our products deliver superior performance.

At OX-LINK, we take pride in our extensive product line-up, which includes Control Cables, Data Cables, Bus Cables, LAN Cables, Solar Cables, and Drag/Energy Chain Cables. Our cables are engineered for reliability and performance, ensuring seamless connectivity and optimal efficiency across diverse applications.

Located in the vibrant city of Jaipur, Rajasthan, our state-of-the-art manufacturing facility spans an impressive 90,000 sq. ft., with 33,000 sq. ft. dedicated to factory space. Equipped with cutting-edge technology and operated by a team of skilled professionals, our facility exemplifies our commitment to delivering superior products that exceed customer expectations. Additionally, our advanced testing facility ensures that the highest quality standards are met at every stage of production.

Our success is driven by a team of visionary leaders, including Partners Jodhraj Baid, Rajiv Baid, Nisha Babel, and Vishal Borar. Guided by a shared vision of innovation, integrity, and customer satisfaction, their wealth of experience and unwavering dedication inspire us to continually set new industry standards.

At OX-LINK ELECTRONICS, we are not just manufacturers; we are partners in your success. Whether you need customized solutions or standard products, you can trust us to deliver high-quality cables that power your projects and drive your ambitions forward. Experience the OX-LINK difference today and discover why we are the preferred choice for businesses worldwide.



VISION, MISSION & VALUES



VISION



"Creating futuristic solutions for the next generation of global infrastructure through innovative, sustainable, and revolutionary electronic cables that set a new benchmark for the industry."

Delivering superior cable solutions with cutting-edge technology, exceptional quality, and unwavering dedication to customer satisfaction. We drive sustainable growth, optimize efficiency, and make a meaningful impact on global infrastructure landscape.

MISSION



VALUES

Safety

- : Ensuring safety through a committed attitude towards people, property, and the workplace.

Respect

- : Valuing people, society, and the environment in all our actions and decisions.

Transparency

- : Maintaining openness and honesty in all our dealings and behaviour.

Commitment

- : Dedicating ourselves to personal and organizational development.

Sustainability

- : Mindful and judicious use of resources with respect to the elimination of toxic waste to foster a greener future.

Customer Focus

- : Prioritizing the needs and satisfaction of our customers.



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CONTROL CABLES

OXCONTROL - 10



OX-LINK

OXCONTROL - 10

RoHS

CE



APPLICATION

- Industrial machinery, air conditioning installations, power stations, and plant engineering and construction.
- Medium mechanical load conditions in dry or damp interiors.
- Fixed installations with occasional flexing, excluding continuous tensile load.

PRODUCT BUILD UP

- Annealed bare copper wire bunched conductor
- PVC Insulation
- Core Colour
- Cores twisted in layers
- PVC outer sheath, grey RAL (7001)

TECHNICAL DATA

- | | |
|-----------------------|---|
| Test voltage | : 4000V |
| Conductor | : Fine wire base to VDE 0295 K1.5/IEC 60228 C1.5 |
| Based on | : IEC 60227-5 HD 21.5 S3 ; VDE 0281 Part 5 HD 21.13 S1; VDE 0281 Part 13 |
| Bending radius | : Minimum bending radius $\leq 20 \times$ Cable O.D. |
| Rated voltage | : Up to 1.5mm^2 ; Uo/U : 300/500V starting at 1.5mm^2 ; Uo/U : 450/750 fixed, protected insulation : Uo/U : 600/1000V |

DIMENSION CHARACTER

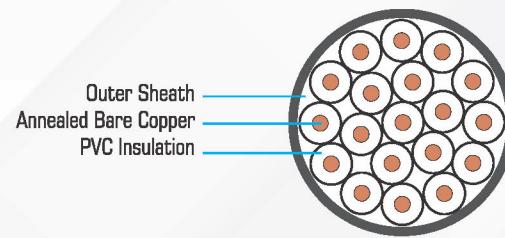
Size (mm ²)	Size (AWG)	Outer Diameter (mm)	Weight Kg./km
OXCONTROL - 10 ; Uo / U:300 / 500 V			
2 X 0.5	20	5.4	43
3 G 0.5	20	5.7	51
24 G 0.5	20	13.8	323
40 G 0.5	20	16.3	475
2 X 0.75	18	6.2	58
3 G 0.75	18	6.6	69
21 G 0.75	18	14.7	380
25 G 0.75	18	16.2	461
2 X 1.0	17	6.5	67
3 G 1.0	17	6.9	81
18 G 1.0	17	14.4	390
20 G 1.0	17	15.6	443
25 G 1.0	17	17.2	546
2 x 1.5	16	7.5	90
3 G 1.5	16	8.1	113
3 X 1.5	16	8.1	113
18 G 1.5	16	17.1	547
25 G 1.5	16	20.0	753

PRODUCT FEATURES

- Flame retardant according to IEC 60332-1-2
- Good chemical resistance
- Temperature range (-5°C to + 80°C)
- Current Carrying Capacity as per IS 3961

APPROVALS

- Using RoHS* Compliances compounds
- CE* UL* CCC* ROHS*



Size (mm ²)	Size (AWG)	Outer Diameter (mm)	Weight Kg./km
OXCONTROL - 10 ; Uo / U:450 / 750 V			
2 X 2.5	14	8.9	134
3 X 2.5	14	9.7	168
4 X 2.5	14	11.0	220
5 X 2.5	14	12.0	273
7 X 2.5	14	13.3	338
8 X 2.5	14	15.5	436
2 X 4	12	10.2	187
3 X 4	12	11.2	253
5 X 4	12	13.9	384
7 X 4	12	15.5	486
2 X 6	10	11.4	242
3 X 6	10	12.8	321
5 X 6	10	15.7	518
7 X 6	10	17.7	665
2 X 10	8	14.5	399
5 X 10	8	20.0	857
3 X 16	6	19.2	785
4 X 16	6	21.4	1020

- Please specify the desired packaging size (e.g. 1 x 500 m drum or 5 x 100 m coils)
- All sizes can be manufactured on demand

CONTROL CABLES

OXCONTROL - 10 - CY



OX-LINK

OXCONTROL 10 - CY

RoHS CE



APPLICATION

- Industrial machinery for plant engineering and construction projects.
- Servo drive for conveying and transport systems.
- Ensuring electromagnetic interference (EMI) resilience in critical environments.
- Data and control cables for machinery and computer systems.

PRODUCT BUILD UP

- Strands of annealed bare copper wires enclosed by PVC insulation.
- Inner layer of PVC sheathing, coloured grey.
- Shielding consisting of copper / tinned copper wire braid.
- Transparent PVC outer covering.

TECHNICAL DATA

- | | |
|-----------------------|---|
| Test voltage | : 4000V |
| Conductor | : Fine wire base to VDE 0295 K1.5/IEC 60228 C1.5 |
| Based on | : IEC 60227-5 HD 21.5 S3 ; VDE 0281 Part 5 HD 21.13 S1; VDE 0281 Part 13 |
| Bending radius | : Minimum bending radius ≤ 20 X Cable O.D. |
| Rated voltage | : Up to 1.5mm ² ; Uo/U : 300/500V starting at 1.5mm ² ; Uo/U : 450/750 fixed, protected insulation : Uo/U : 600/1000V |

DIMENSION CHARACTER

Size (mm ²)	Size (AWG)	Outer Diameter (mm)	Weight Kg./km
OXCONTROL - 10 - CY ; Uo / U:300 / 500 V			
2 X 0.5	20	7.4	87
3 G 0.5	20	7.7	97
4 G 0.5	20	8.1	110
5 G 0.5	20	8.8	131
7 G 0.5	20	9.3	149
2 X 0.75	18	8.0	104
3 G 0.75	18	8.3	117
4 G 0.75	18	8.8	135
5 G 0.75	18	9.6	161
7 G 0.75	18	10.2	185
2 X 1.0	17	8.5	120
3 G 1.0	17	8.9	137
4 G 1.0	17	9.5	159
5 G 1.0	17	10.3	191
7 G 1.0	17	11.0	221

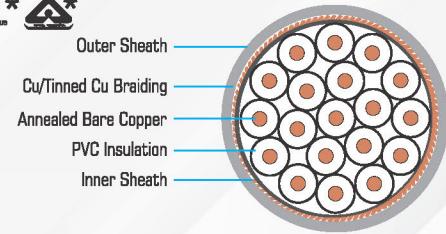
- Please specify the desired packaging size (e.g. 1 x 500 m drum or 5 x 100 m coils)
- All sizes can be manufactured on demand

PRODUCT FEATURES

- Flame retardant as per IEC 60332-1-2 standards.
- Excellent chemical resistance.
- High screen coverage, low transfer impedance (max. 250 ohm/km at 30MHz)
- Ensures disturbance-free signal transmission.
- Clear PVC outer sheath enhances visibility of tinned copper braid.
- Temperature range (-5° C TO + 80° C)
- Current Carrying Capacity as per IS-3961

APPROVALS

- Using RoHS* Compliances compounds
- CE* UL* ETL* CSA*



Size (mm ²)	Size (AWG)	Outer Diameter (mm)	Weight Kg./km
OXCONTROL - 10 - CY ; Uo / U:450 / 750 V			
2 X 1.5	16	10.1	166
3 G 1.5	16	10.5	189
5 G 1.5	16	12.1	264
7 G 1.5	16	13.0	309
2 X 2.5	14	11.7	227
3 G 2.5	14	12.3	262
5 G 2.5	14	14.4	381
7 G 2.5	14	15.5	448
4 G 4.0	12	14.9	411
5 G 4.0	12	16.1	496
4 G 6.0	10	16.4	524
4 G 6.0	10	18.1	652
3 G 10	8	18.9	680
4 G 10	8	20.5	826
5 G 10	8	22.2	1012
3 G 16	6	21.6	939
4 G 16	6	23.4	1154

CONTROL CABLES

OXCONTROL - 11



OX-LINK

OXCONTROL - 11

RoHS

CE



APPLICATION

- Providing plant engineering and construction services for industrial machinery, air conditioning installations, and power stations.
- Handling dry or damp interiors subjected to moderate mechanical loads.
- Installations are fixed with occasional flexing for non-continuous movement without tensile stress.

PRODUCT BUILD UP

- Annealed bare copper wire bunched conductor.
- PVC insulation.
- Cores twisted in layers.
- PVC outer sheath, grey RAL (7001)

TECHNICAL DATA

- **Test voltage** : 4000V
- **Conductor** : Fine wire base to VDE 0295 K1.5/IEC 60228 C1.5
- **Bending radius** : Minimum bending radius $\leq 20 \times$ Cable O.D.
- **Rated voltage** : Uo/U : 300/500V

DIMENSION CHARACTER

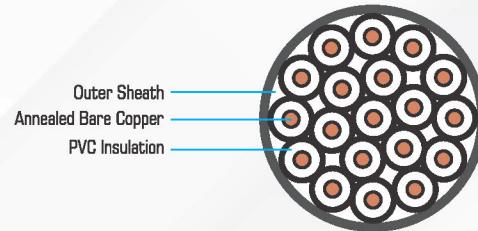
Size (mm ²)	Size (AWG)	Outer Diameter (mm)	Weight Kg./km
OXCONTROL - 11 ; Uo / U : 300 / 500 V			
2 X 0.5	20	5.2	41
3 G 0.5	20	5.5	47
3 X 0.5	20	5.5	47
21 G 0.5	20	11.5	238
24 G 0.5	20	12.9	278
30 G 0.5	20	14.9	382
2 X 0.75	18	5.8	52
3 G 0.75	18	6.1	62
3 X 0.75	18	6.1	62
4 G 0.75	18	6.7	75
16 G 0.75	18	11.6	250
18 G 0.75	18	12.0	275
21 G 0.75	18	13.3	330
25 G 0.75	18	14.6	398
2 X 1.0	17	6.3	64
3 G 1.0	17	6.7	77
3 X 1.0	17	6.7	77
4 G 1.0	17	7.3	94
18 X 1.0	17	13.4	354
20 G 1.0	17	14.5	402

PRODUCT FEATURES

- Flame retardant according to IEC 60332-1-2.
- Excellent chemical resistance.
- Temperature range (-5°C to +80°C)
- Current Carrying Capacity as per IS-3961

APPROVALS

- Using RoHS* Compliances compounds
- CE* UL* CB* ROHS*



Size (mm ²)	Size (AWG)	Outer Diameter (mm)	Weight Kg./km
OXCONTROL - 11 ; Uo / U : 300 / 500 V			
20 X 1.0	17	14.5	402
25 G 1.0	17	16.0	495
2 X 1.5	16	7.1	82
3 G 1.5	16	7.5	100
3 X 1.5	16	7.5	100
4 G 1.5	16	8.2	123
18 G 1.5	16	15.6	484
21 G 1.5	16	16.2	536
25 G 1.5	16	18.2	666
26 G 1.5	16	17.8	680
2 X 2.5	14	8.1	115
25 G 2.5	14	21.4	986
3 X 4	12	10.41	216
7 X 4	12	14.09	433
3 X 6	10	12.56	315
7 X 6	10	16.71	621
3 X 10	8	15.06	484
5 X 10	8	18.23	748
3 X 16	6	17.96	716
4 X 16	6	20.63	949

- Please specify the desired packaging size (e.g. 1 x 500 m drum or 5 x 100 m coils)
- All sizes can be manufactured on demand

CONTROL CABLES

OXCONTROL - 11 - CY



OX-LINK

OXCONTROL - 11 - CY

RoHS

CE



APPLICATION

- Plant engineering and construction : Industrial machinery, AC installations, Power station
- Conveying and Transport system
- Servo drive
- EMI (Electromagnetic interference) - critical environment

PRODUCTS BUILD UP

- Annealed bare copper wire bunched conductor.
- PVC insulation
- PVC inner sheath, grey
- Screen made of copper / tinned copper wire braid
- PVC outer sheath, transparent

TECHNICAL DATA

- Test voltage** : 4000V
- Conductor** : Fine wire base to VDE 0295 K1.5/IEC 60228 C1.5
- Bending radius** : Minimum bending radius $\leq 20 \times$ Cable O.D.
- Rated voltage** : Uo/U: 300/500 V

DIMENSION CHARACTER

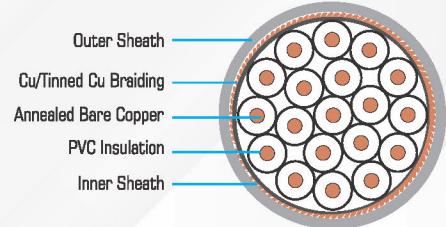
Size (mm ²)	Size (AWG)	Outer Diameter (mm)	Weight Kg./km
OXCONTROL - 11CY ; Uo / U:300 / 500 V			
2 X 0.5	20	7.4	87
3 G 0.5	20	7.7	97
25 G 0.5	20	15.6	419
30 G 0.5	20	16.7	483
2 X 0.75	18	8.0	104
3 G 0.75	18	8.3	117
25 G 0.75	18	17.4	541
30 G 0.75	18	18.7	628
2 X 1.0	17	8.5	120
3 G 1.0	17	8.9	137
25 G 1.0	17	19.2	674
30 G 1.0	17	20.7	783
2 X 1.5	16	9.3	145
3 G 1.5	16	9.7	166
3 X 1.5	16	9.7	166
18 G 1.5	16	18.6	656
25 G 1.5	16	21.8	888
30 G 1.5	16	23.0	1009

PRODUCT FEATURES

- Flame retardant as per IEC 60332-1-2 standards.
- Excellent chemical resistance.
- High screen coverage for low transfer impedance (up to 250 ohm/km at 30 MHz).
- Screen density ensures uninterrupted signal transmission.
- Clear PVC outer sheath enhances visibility of tinned copper braid.
- Temperature range (-5° C TO + 80° C)
- Current Carrying Capacity as per IS-3961

APPROVALS

- Using RoHS* Compliances compounds
- CE* UL* TÜV* GS*



Size (mm ²)	Size (AWG)	Outer Diameter (mm)	Weight Kg./km
OXCONTROL - 11CY ; Uo / U:300 / 500 V			
2 X 2.5	14	10.5	192
3 G 2.5	14	11.0	223
7 G 2.5	14	14.3	399
12 G 2.5	14	18.6	667
2 X 4.0	12	12.8	284
3 G 4.0	12	13.5	331
4 G 4.0	12	14.9	411
5 G 4.0	12	16.1	496
2 X 6.0	10	14.4	365
3 G 6.0	10	15.2	433
4 G 6.0	10	16.4	524
5 G 6.0	10	18.1	652
2 X 10	8	17.1	533
3 G 10	8	18.1	646
4 G 10	8	20.1	807
5 G 10	8	22.2	1012
2 G 16	6	20.0	753
4 G 16	6	23.4	1154

- Please specify the desired packaging size (e.g. 1 x 500 m drum or 5 x 100 m coils)
- All sizes can be manufactured on demand

CONTROL CABLES

OXCONTROL - 11 - SY



OX-LINK

OXCONTROL - 11 - SY

RoHS



APPLICATION

- Plant engineering and construction : Industrial machinery, and air conditioning installations.
- Fixed installations, occasional flexing without tensile load.
- Areas with increased mechanical stress requirements.
- Galvanized coating on steel wire braiding protects against corrosion and enhances soldering performance.
- Clear transparent PVC outer sheath provides optical enhancement to the cable.

APPROVALS

- Using RoHS* Compliances compounds
- CE* UL* ETL* CSA*

TECHNICAL DATA

- Test voltage** : 4000V
- Conductor** : Fine wire base to VDE 0295 K1.5/IEC 60228 C1.5
- Bending radius** : Minimum bending radius ≤ 20 X Cable O.D.
- Rated voltage** : Uo/U: 300/500 V

DIMENSION CHARACTER

Size (mm ²)	Size (AWG)	Outer Diameter (mm)	Weight Kg./km
OXCONTROL - 11SY ; Uo / U:300 / 500 V			
2 X 0.5	20	8.0	99
3 G 0.5	20	8.3	107
4 G 0.5	20	8.7	107
18 G 0.5	20	14.3	337
25 G 0.5	20	16.2	432
30 G 0.5	20	17.3	503
2 X 0.75	18	8.6	114
3 G 0.75	18	8.9	126
4 G 0.75	18	9.4	143
18 G 0.75	18	15.6	422
25 G 0.75	18	18.0	564
30 G 0.75	18	19.3	648
2 X 1.0	17	9.1	130
3 G 1.0	17	9.5	145
4 G 1.0	17	10.1	166
18 G 1.0	17	17.0	522
25 G 1.0	17	19.8	693
30 G 1.0	17	21.3	799
2 X 1.5	16	9.9	155

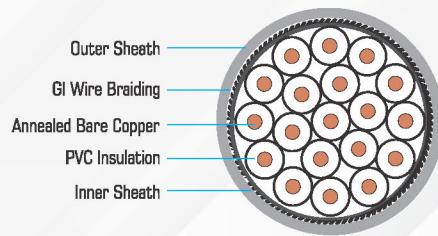
- Please specify the desired packaging size (e.g. 1 x 500 m drum or 5 x 100 m coils)
- All sizes can be manufactured on demand

PRODUCT FEATURES

- Flame retardant according to IEC 60332-1-2
- Good chemical resistance
- Temperature range (-5° CTO + 80° C)
- Current Carrying Capacity as per IS-3961

PRODUCT BUILD UP

- Annealed bare copper wire bunched conductor
- PVC insulation
- PVC inner sheath, grey
- Oxidation protected GI wire braid
- PVC outer sheath, transparent



Size (mm ²)	Size (AWG)	Outer Diameter (mm)	Weight Kg./km
OXCONTROL - 11SY ; Uo / U:300 / 500 V			
3 G 1.5	16	10.3	175
4 G 1.5	16	11.0	211
18 G 1.5	16	19.2	677
25 G 1.5	16	22.4	912
30 G 1.5	16	23.6	1030
2 X 2.5	14	11.1	204
3 G 2.5	14	11.6	234
7 G 2.5	14	14.9	413
12 G 2.5	14	19.2	685
2 X 4.0	12	13.4	124
3 G 4.0	12	14.0	343
4 G 4.0	12	15.5	425
5 G 4.0	12	16.7	516
2 X 6.0	10	15.0	379
5 G 6.0	10	18.7	669
2 X 10	8	17.7	555
5 G 10	8	22.8	1036
2 X 16	6	20.6	777
4 G 16	6	24.0	1173

CONTROL CABLES

OXCONTROL - H



OX-LINK

OXCONTROL H
HALOGEN FREE LOW SMOKE

RoHS CE



APPLICATION

- Public facilities
- Airport, railway station
- Plant engineering, construction, industrial machinery, and air conditioning
- Particularly in areas with high fire risk to human, animal life, and valuable property
- Especially in wet machine tool and transfer line areas under typical mechanical conditions

PRODUCT BUILD UP

- Annealed bare copper wire bunched conductor.
- Halogen-free core insulation
- Halogen-free sheath-grey

APPROVALS

- Using RoHS* Compliances compounds
- CE* UL* ETL* CSA*

TECHNICAL DATA

- | | |
|-------------------------|--|
| • Test voltage | : 4000V |
| • Conductor | : Fine wire base to VDE 0295 K1.5/IEC 60228 C1.5 |
| • Bending radius | : Minimum bending radius $\leq 20 \times$ Cable O.D. |
| • Rated voltage | : Uo/U: 300/500 V |
| • Based on | : HD 21.13 S1; VDE 0281 Part 13 |

PRODUCT FEATURES

- Flame retardant based on IEC 60332-1-2
- Halogen-free based on IEC 60754-1
- Corrosiveness of combustion gasses on IEC 60754-2
- Flexible down to -15°C
- Highly flame-retardant
- Temperature range (-25° C TO + 90° C)
- Current Carrying Capacity as per IS-3961.

DIMENSION CHARACTER

Size (mm ²)	Size (AWG)	Outer Diameter (mm)	Weight Kg./km
OXCONTROL - H ; Uo / U:300 / 500 V			
2 X 1.5	16	7.1	82
3 G 1.5	16	7.5	100
4 G 1.5	16	8.2	123
5 G 1.5	16	8.9	153
7 G 1.5	16	9.7	187
12 G 1.5	16	12.9	330
18 G 1.5	16	15.2	468
25 G 1.5	16	17.8	648
2 X 2.5	14	8.1	115

Size (mm ²)	Size (AWG)	Outer Diameter (mm)	Weight Kg./km
OXCONTROL - H ; Uo / U:300 / 500 V			
3 G 2.5	14	8.6	142
4 G 2.5	14	9.5	177
5 G 2.5	14	10.6	227
7 G 2.5	14	11.7	285
12 G 2.5	14	15.4	493
4 G 4.0	12	11.4	268
4 G 6.0	10	13.8	392

- Please specify the desired packaging size (e.g. 1 x 500 m drum or 5 x 100 m coils)
- All sizes can be manufactured on demand

CONTROL CABLES

OXCONTROL - P (PUR Insulated, Numbered, PUR Sheath)



OX-LINK

OXCONTROL - P
SPECIAL POLYURETHANE SHEATH (PUR)

RoHS CE



APPLICATION

- Construction machinery
- Machine tools
- Especially in wet area of machine tools and transfer lines under normal mechanical
- Production plants
- Indoors and outdoors

PRODUCT BUILD UP

- Tinned annealed copper wire bunched conductor
- Core insulation: PUR
- Special polyurethane sheath (PUR)
- Silver grey (RAL 7001)

TECHNICAL DATA

- **Test voltage** : 3000V
- **Conductor** : Fine wire base to VDE 0295 K1.5/IEC 60228 C1.5
- **Bending radius** : Minimum bending radius $\leq 20 \times$ Cable O.D.
- **Rated voltage** : Uo/U : 300/500V

DIMENSION CHARACTER

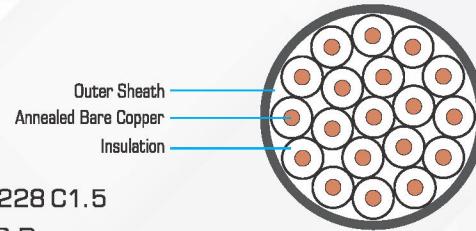
Size (mm ²)	Size (AWG)	Outer Diameter (mm)	Weight Kg./km
OXCONTROL - P: Uo / U:300 / 500 V			
2 X 0.5	20	6.2	46
3 G 0.5	20	6.5	54
4 G 0.5	20	7.1	65
12 G 0.5	20	11.3	173
18 G 0.5	20	13.1	239
25 G 0.5	20	15.2	325
2 X 0.75	18	6.6	54
3 G 0.75	18	7.0	65
4 G 0.75	18	7.6	79
2 X 1.0	17	7.3	69
3 G 1.0	17	7.8	82
4 G 1.0	17	8.5	101
5 G 1.0	17	9.2	126
7 G 1.0	17	10.4	160
12 G 1.0	17	13.7	277
18 G 1.0	17	16.0	397
25 G 1.0	17	18.6	535

PRODUCT FEATURES

- Oil resistant and adhesion-free
- Abrasion and cut resistant
- Halogen-free
- Flame-retardant (IEC 60332.-1-2)
- Temperature range (-40° C TO + 90° C)
- Current Carrying Capacity as per IS-3961

APPROVALS

- Using RoHS* Compliances compounds
- CE* UL* GS* ROHS*



Size (mm ²)	Size (AWG)	Outer Diameter (mm)	Weight Kg./km
OXCONTROL - P: Uo / U:300 / 500 V			
2 X 1.5	16	7.9	83
3 G 1.5	16	8.3	101
4 G 1.5	16	9.1	125
5 G 1.5	16	9.9	156
7 G 1.5	16	10.8	191
12 G 1.5	16	14.8	348
18 G 1.5	16	17.5	499
25 G 1.5	16	20.8	703
3 G 2.5	14	9.7	147
4 G 2.5	14	10.6	183
5 G 2.5	14	12.0	239
7 G 2.5	14	13.1	294
12 G 2.5	14	18.0	537

- Please specify the desired packaging size (e.g. 1 x 500 m drum or 5 x 100 m coils)
- All sizes can be manufactured on demand

CONTROL CABLES

OXCONTROL - CP (PUR Insulated, Numbered, PUR Sheath)



APPLICATION

- Construction machinery
- Machine tools
- Particularly in wet machine tool areas and transfer lines under standard mechanical conditions
- Production plants
- Indoors and outdoors

PRODUCT BUILD UP

- Tinned annealed copper wire bunched conductor
- Core insulation: PUR
- Inner sheath : PUR
- Screen made of copper / tinned copper wire braid
- Special polyurethane sheath (PUR)
- Silver grey (RAL 7001)

TECHNICAL DATA

- **Test voltage** : 3000V
- **Conductor** : Fine wire base to VDE 0295 K1.5/IEC 60228 C1.5
- **Bending radius** : Minimum bending radius $\leq 20 \times$ Cable O.D.
- **Rated voltage** : $U_0/U: 300/500$ V

DIMENSION CHARACTER

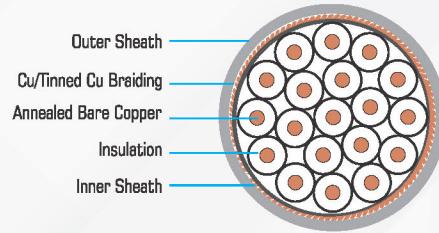
Size (mm ²)	Size (AWG)	Outer Diameter (mm)	Weight Kg./km
OXCONTROL - CP: U₀ / U:300 / 500 V			
3 G 0.5	20	8.9	112
4 G 0.5	20	9.5	126
5 G 0.5	20	10.1	146
12 G 0.5	20	13.7	267
18 G 0.5	20	15.9	363
25 G 0.5	20	18.0	463
2 X 0.75	18	9.0	112
3 G 0.75	18	9.4	126
4 G 0.75	18	10.0	145
7 G 0.75	18	11.9	207
12 G 0.75	18	14.5	313
25 G 0.75	18	20.0	587
2 X 1.0	17	9.3	122
3 G 1.0	17	9.7	140
4 G 1.0	17	10.4	161
5 G 1.0	17	11.5	198
7 G 1.0	17	12.4	235

PRODUCT FEATURES

- Oil resistant and adhesion-free
- Abrasion and cut resistant
- Halogen-free
- Flame-retardant (IEC 60332.-1-2)
- Temperature range (-25 °C to + 90°C)
- Current Carrying Capacity as per IS-3961.

APPROVALS

- Using RoHS* Compliances compounds
- CE* UL* GS* CSA*



Size (mm ²)	Size (AWG)	Outer Diameter (mm)	Weight Kg./km
OXCONTROL - CP: U₀ / U:300 / 500 V			
12 G 1.0	17	15.7	371
18 G 1.0	17	18.2	512
25 G 1.0	17	21.0	678
2 X 1.5	16	10.3	151
3 G 1.5	16	10.7	172
4 G 1.5	16	11.5	202
5 G 1.5	16	12.3	240
7 G 1.5	16	13.4	287
12 G 1.5	16	18.0	498
18 G 1.5	16	20.9	687
25 G 1.5	16	23.8	899
3 G 2.5	14	12.1	229
4 G 2.5	14	13.0	273
5 G 2.5	14	14.6	347
7 G 2.5	14	16.1	421
12 G 2.5	14	21.0	704

- Please specify the desired packaging size (e.g. 1 x 500 m drum or 5 x 100 m coils)
- All sizes can be manufactured on demand

DATA CABLES

OXTRONIC - LiYY



OX-LINK

OXTRONIC - LiYY

RoHS CE



APPLICATION

- LiYY serves as a control and signal cable in various electronics, including computer systems, office machines, and more.
- Suitable for dry and damp indoor environments.

PRODUCT BUILD UP

- Annealed bare copper wire bunched conductor
- PVC core Insulation and outer sheath
- Colour : grey
- Cores Twisted

APPROVALS

- Using RoHS* compliances compounds
- CE* UL* ETL* CSA*

TECHNICAL DATA

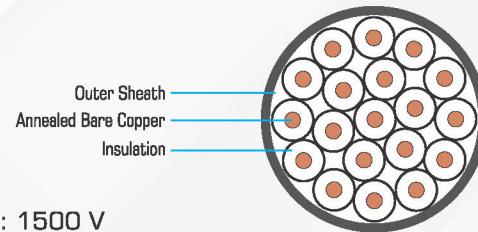
- **Test voltage** : At 0.14 sqmm: 1200 V | > 0.14 sqmm: 1500 V
- **Conductor** : Strand, fine wire | 0.34 sqmm, 7 wire
- **Bending radius** : Minimum bending radius ≤ 20 X Cable O.D.
- **Peak working voltage**: 250 V (not for power applications)
- **Mutual capacitance** : Approx. 120 nF / km
- **Inductivity** : Approx. 0.65 mH/km

DIMENSION CHARACTER

Size (mm ²)	Size (AWG)	Outer Diameter (mm)	Weight Kg./km
OXCONTROL - LiYY: Uo / U:300 / 500 V			
2 x 0.14	26	3.4	13
3 x 0.14	26	3.6	16
21 x 0.14	26	7.6	96
25 x 0.14	26	8.4	111
2 x 0.25	23	4.1	20
3 x 0.25	23	4.3	24
25 x 0.25	23	9.9	144
30 x 0.25	23	10.5	166
2 x 0.34	22	4.5	25
3 x 0.34	22	4.8	31
4 x 0.34	22	5.2	38
21 x 0.34	22	10.2	163
25 X 0.34	22	11.2	190
30 x 0.34	22	11.9	220
2 x 0.50	20	5.1	39
3 x 0.50	20	5.3	47
4 x 0.50	20	5.7	58

PRODUCT FEATURES

- Despite numerous cores, LiYY data cables maintain small outer diameters.
- Core colour code aligns with DIN 47100 featuring extruded secondary colour lines instead of ring printing, ensuring no colour repetition.
- Flame-retardant per IEC 60332-1-2 standards.
- Temperature range (-15 °C to + 80°C)
- Current Carrying Capacity as per IS-3961.



Size (mm ²)	Size (AWG)	Outer Diameter (mm)	Weight Kg./km
OXCONTROL - LiYY: Uo / U:300 / 500 V			
5 X 0.50	20	6.2	79
16 X 0.50	20	10.4	166
20 X 0.50	20	11.6	207
25 X 0.50	20	12.8	249
30 X 0.50	20	13.7	296
2 X 0.75	18	5.6	39
3 X 0.75	18	5.9	50
20 X 0.75	18	13.1	273
25 X 0.75	18	14.4	331
2 X 1.0	17	6.2	48
3 X 1.0	17	6.6	63
4 X 1.0	17	7.2	78
5 X 1.0	17	8.0	101
2 X 1.5	16	7.2	65
3 X 1.5	16	7.6	85
4 X 1.5	16	8.3	107
5 X 1.5	16	9.2	138

- Please specify the desired packaging size (e.g. 1 x 500 m drum or 5 x 100 m coils)
- All sizes can be manufactured on demand

DATA CABLES

OXTRONIC - LiYCY



OX-LINK OXTRONIC - LiYCY RoHS CE



APPLICATION

- For computer systems, MSR technology, office machinery, and small-scale screened cables.
- Suitable for dry and damp indoor environments.

PRODUCT BUILD UP

- Annealed bare copper wire bunched conductor
- PVC core insulation and outer sheath
- Screen made of copper / tinned copper wire braid
- Cores are stranded in layers, wrapping with foil on the outer layer
- Colour : grey

APPROVALS

- Using RoHS* compliances compounds
- CE* UL* ETL* FCC*

TECHNICAL DATA

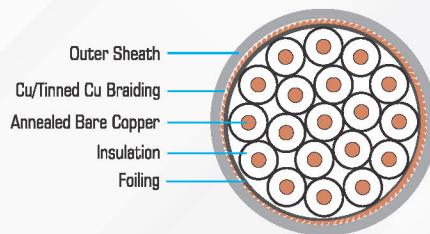
- **Test voltage** : At 0.14 sqmm: 1200 V | > 0.14 sqmm: 1500 V
- **Conductor** : Strand, fine wire | 0.34 sqmm, 7 wire
- **Bending radius** : Minimum bending radius $\leq 20 \times$ Cable O.D.
- **Peak working voltage**: 250 V (not for power applications)
- **Mutual capacitance** : C/C Approx. 140 nF/km | C/S approx. 190 nF/km
- **Inductivity** : Approx. 0.65 mH/km

DIMENSION CHARACTER

Size (mm ²)	Size (AWG)	Outer Diameter (mm)	Weight Kg./km
OXCONTROL - LiYCY: Uo / U:300 / 500 V			
2 X 0.14	26	4.1	26
3 X 0.14	26	4.2	29
28 X 0.14	26	9.5	142
30 X 0.14	26	9.5	148
2 X 0.25	23	4.8	35
3 X 0.25	23	50	40
28 X 0.25	23	11.1	202
30 X 0.25	23	11.2	208
2 X 0.34	22	5.2	42
3 X 0.34	22	5.5	48
4 X 0.34	22	5.9	58
25 X 0.34	22	11.9	233
28 X 0.34	22	12.5	256
30 X 0.34	22	12.6	267
2 X 0.50	20	5.9	52
3 X 0.50	20	6.2	61
4 X 0.50	20	6.6	72

PRODUCT FEATURES

- Core colour coding follows DIN 47100, with extruded secondary colour line replacing ring printing.
- Flame retardant according to IEC 60332-1-2
- Temperature range (-15 °C to + 80°C)
- Current Carrying Capacity as per IS- 3961



Size (mm ²)	Size (AWG)	Outer Diameter (mm)	Weight Kg./km
OXCONTROL - LiYCY: Uo / U:300 / 500 V			
25 X 0.50	20	13.7	307
28 X 0.50	20	14.8	349
30 X 0.50	20	14.8	364
2 X 0.75	18	6.5	63
3 X 0.75	18	6.8	77
4 X 0.75	18	7.3	91
25 X 0.75	18	15.5	405
28 X 0.75	18	16.7	460
30 X 0.75	18	16.8	481
2 X 1.0	17	7.0	92
3 X 1.0	17	7.4	110
28 X 1.0	17	18.5	571
30 X 1.0	17	18.6	599
2 X 1.5	16	8.0	96
3 X 1.5	16	8.4	118
28 X 1.5	16	21.2	768
30 X 1.5	16	21.3	806

- Please specify the desired packaging size (e.g. 1 x 500 m drum or 5 x 100 m coils)
- All sizes can be manufactured on demand

DATA CABLES

OXTRONIC - LiYCY (TP)



OX-LINK OXTRONIC - LiYCY (TP) RoHS CE



APPLICATION

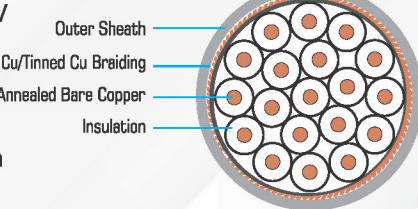
- Effective against electric field interference, like power cable.
- Suitable for both dry and damp indoor environments.
- LiYCY (TP) ideal for areas with signal interference

PRODUCT BUILD UP

- Annealed bare copper wire bunched conductor
- PVC core insulation
- Core twisted in pairs with ideal lay-length
- Copper/tinned copper wire screen braiding
- Outer sheath: Special grey PVC

TECHNICAL DATA

- | | |
|--------------------------------|--|
| • Test voltage | : At 0.14 sqmm: 1200 V > 0.14 sqmm: 1500 V |
| • Conductor | : Fine copper wire stranding |
| • Bending radius | : Minimum bending radius $\leq 20 \times$ Cable O.D. |
| • Peak working voltage: | 250 V (not for power applications) |
| • Mutual capacitance | : C/C Approx. 140 nF/km C/S approx. 190 nF/km |
| • Based on | : VDE 0814 (DIN) 47414 or VDE 0812 |
| • Coupling | : (1kHz) approx. 300 pf at 100m |
| • Mutual capacitance | : 0.14 mm ² - C / C approx. 140 nF / km C / S approx. 150 nF / km
> 0.25 mm ² - C / C approx. 150 nF / km C / S approx. 230 nF / km |



DIMENSION CHARACTER

Size (mm ²)	Size (AWG)	Outer Diameter (mm)	Weight Kg./km
OXCONTROL - LiYCY (TP): Uo / U:300 / 500 V			
1 X 2X 0.14	26	4.5	31
2 X 2X 0.14	26	5.4	43
3X 2X 0.14	26	6.2	55
16X 2 X 0.14	26	11.4	172
20X 2X 0.14	26	12.4	202
25X 2 X 0.14	26	13.6	235
1X 2X 0.25	23	4.8	35
2 X 2X 0.25	23	6.3	59
3 X 2X 0.25	23	7.1	74
12X 2X 0.25	23	12.1	197
16 X 2X 0.25	23	13.5	243
25 X2X 0.25	23	16.1	339
1X 2X 0.50	20	6.0	53
2X 2X 0.50	20	7.7	84
3X 2X 0.50	20	8.8	109

Size (mm ²)	Size (AWG)	Outer Diameter (mm)	Weight Kg./km
OXCONTROL - LiYCY (TP): Uo / U:300 / 500 V			
8X 2X 0.50	20	13.1	231
12X 2X 0.50	20	15.5	314
16X 2X 0.50	20	17.5	387
1X 2X 0.75	18	6.6	65
2X 2X 0.75	18	8.5	107
3X 2X 0.75	18	9.9	140
6X 2X 0.75	18	13.3	242
8X 2X 0.75	18	14.9	301
12X 2X 0.75	18	17.6	410
1X 2X 1.0	17	7.4	79
2X 2X 1.0	17	9.3	124
3 X 2X 1.0	17	10.8	166
4X 2X 1.0	17	12.5	217
5X 2X 1.0	17	13.6	254

- Please specify the desired packaging size (e.g. 1 x 500 m drum or 5 x 100 m coils)
- All sizes can be manufactured on demand

DATA CABLES

OXTRONIC - Li2YCY (TP)



OX-LINK

OXTRONIC - Li2YCY (TP)

RoHS CE



APPLICATION

- Li2YCY (TP) is ideal for data system wiring, supporting transmission rates of up to 10 megabit per second.
- These cables are intended for fixed installation in both dry and damp interiors, and for limited flexible applications.

PRODUCT BUILD UP

- Stranded conductor, 7-wire, annealed bare copper
- PE core insulation
- PVC outer sheath
- Screen braiding made from copper/ tinned copper wire
- Colour Grey

TECHNICAL DATA

- **Test voltage** : C/C: 2000V | C/S: 1000V
- **Conductor** : Strand, copper conductor, based on VDE 0881, 7 wire
- **Bending radius** : Minimum bending radius $\leq 20 \times$ Cable O.D.
- **Peak working voltage** : 250 V (not for power applications)
- **Mutual capacitance** : C/C Approx. 140 nF/km | C/S approx. 190 nF/km
- **Based on** : VDE 0812
- **Inductivity** : Approx. 0.65 mH/km
- **Mutual capacitance** : At 800 Hz: max. 60 nF/km | (valid starting at 4 pair)
- **Loop resistance** : 0.22 sqmm max. 186 Ohm/km
0.34 sqmm max. 115 Ohm/km
0.50 sqmm max. 78.4 Ohm/km

DIMENSION CHARACTER

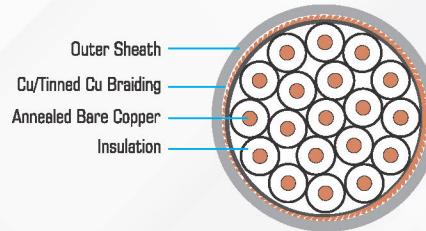
Size (mm ²)	Size (AWG)	Outer Diameter (mm)	Weight Kg./km
OXCONTROL - Li2YCY (TP): Uo / U:300 / 500 V			
1 X 2X 0.22	24	5.3	38
2 X 2X 0.22	24	6.6	54
3X 2X 0.22	24	7.3	67
4X 2X 0.22	24	8.1	82
8X 2X 0.22	24	10.6	133
10X 2X 0.22	24	11.5	152
1X 2X 0.34	22	5.8	45
2X 2X 0.34	22	7.3	68
3X 2X 0.34	22	8.1	85
4X 2X 0.34	22	9.1	106
8X 2X 0.34	22	11.7	166
10X 2X 0.34	22	13.2	207

PRODUCT FEATURES

- Flame retardant according to IEC 60332-1-2
- Temperature range (-15 °C to + 70° C)
- Current Carrying Capacity as per IS-3961

APPROVALS

- Using RoHS* Compliances compounds
- CE* UL* GS* CSA*



Size (mm ²)	Size (AWG)	Outer Diameter (mm)	Weight Kg./km
OXCONTROL - Li2YCY (TP): Uo / U:300 / 500 V			
1X 2X 0.50	20	6.8	59
2X 2X 0.50	20	8.7	89
3X 2X 0.50	20	10.0	120
4X 2X 0.50	20	11.1	145
5X 2X 0.50	20	12.0	170
8X 2X 0.50	20	14.8	250
10X 2X 0.50	20	16.2	292

- Please specify the desired packaging size (e.g. 1 x 500 m drum or 5 x 100 m coils)
- All sizes can be manufactured on demand

DATA CABLES

OXTRONIC - Li2YCY PiMF



APPLICATION

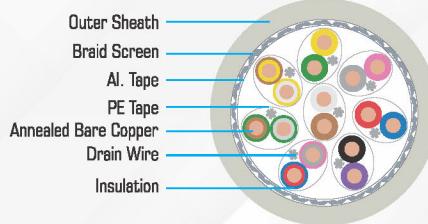
- OXTRONIC - Li2YCY PiMF, featuring individual pair screening, excels in wiring data systems, controls in industrial plants, and transmitting sensitive signals. It ensures high bit rates, near-end cross-talk attenuation, and minimizes electrical interference.
- Ideal for measurement value transmission and serial 2-wire interfaces
- Designed for limited flexible use and fixed installation in dry and damp interiors.

APPROVALS

- Using RoHS* Compliances compounds
- CE* UL* ETL* CSA*

TECHNICAL DATA

- | | |
|-------------------------------|---|
| • Test voltage | : C/C : 2000 V C/S : 1000 V |
| • Conductor | : 7 or fine wired strand based on VDE 0881 |
| • Bending radius | : Minimum bending radius $\leq 20 \times$ Cable O.D. |
| • Peak working voltage | : 250 V (not for power applications) |
| • Based on | : VDE 0812 |
| • Inductivity | : Approx. 0.4 mH/km |
| • Loop resistance | : 0.22 sqmm max. 186 Ohm/km 0.34 sqmm max. 115 Ohm/km
0.50 sqmm max. 78.4 Ohm/km 1.0 sqmm max. 39.0 Ohm/km |
| • Mutual capacitance | : At 800 Hz: 0.22 sqmm max. 70 nF/km 0.34 sqmm max. 70 nF/km
0.50sqmm max. 75 nF/km 1.0 sqmm max. 85 nF/km |



DIMENSION CHARACTER

Size (mm ²)	Size (AWG)	Outer Diameter (mm)	Weight Kg./km
OXCONTROL - Li2YCY PiMF: Uo / U:300 / 500 V			
1 X 2X 0.22	24	5.5	46
2 X 2X 0.22	24	6.8	68
3X 2X 0.22	24	7.7	89
4X 2X 0.22	24	8.5	111
8X 2X 0.22	24	11.1	196
10X 2X 0.22	24	12.0	234
1X 2X 0.34	22	5.8	51
2X 2X 0.34	22	7.3	80
3X 2X 0.34	22	8.3	105
4X 2X 0.34	22	9.3	133
8X 2X 0.34	22	12.4	240
10X 2X 0.34	22	13.5	288

Size (mm ²)	Size (AWG)	Outer Diameter (mm)	Weight Kg./km
OXCONTROL - Li2YCY PiMF: Uo / U:300 / 500 V			
1X 2X 0.50	20	6.8	65
2X 2X 0.50	20	8.7	103
3X 2X 0.50	20	10.2	144
4X 2X 0.50	20	11.3	177
5X 2X 0.50	20	12.3	212
8X 2X 0.50	20	15.2	324
10X 2X 0.50	20	16.6	389
1X 2X 1.0	17	7.5	85
2X 2X 1.0	17	9.7	139
3X 2X 1.0	17	11.7	199
4X 2X 1.0	17	13.1	246
10X 2X 1.0	17	19.3	542

- Please specify the desired packaging size (e.g. 1 x 500 m drum or 5 x 100 m coils)
- All sizes can be manufactured on demand

DATA CABLES

OXTRONIC - TRIAD



OX-LINK

OXTRONIC - TRIAD

RoHS

CE



PRODUCT FEATURES

- Good EMC Characteristic
- Flexibility
- Flame-retardant according to IEC 60332-1-2
- Current Carrying Capacity as per IS-3961

APPROVALS

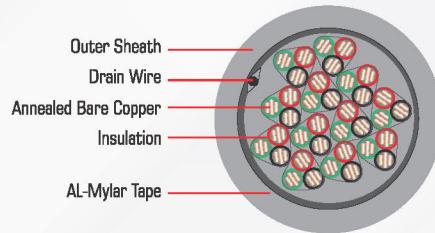
- Using RoHS* Compliances compounds
- CE* UL* ETL* CSA*

TECHNICAL DATA

- **Test voltage** : At 1.0 sqmm : 2000 V
- **Bending radius** : Minimum bending radius $\leq 20 \times$ Cable O.D.
- **Based on** : BS 5308
- **Inductivity** : Approx. 0.65 mH/km
- **Mutual capacitance** : Approx. C to C 200 nF/km
C to S 400 nF/km

PRODUCT BUILD UP

- Annealed bare copper wire flexible conductor
- PVC core insulation and outer sheath
- Overall screening with AL-Mylar tape with drain wire
- Colour : Grey



DIMENSION CHARACTER

Size (mm ²)	Size (AWG)	Outer Diameter (mm)	Weight kg./km
1 X 3 X 1.0	17	9.0	112
4 X 3 X 1.0	17	16.5	340
6 X 3 X 1.0	17	20.2	475
8 X 3 X 1.0	17	22.8	605
1 X 3 X 1.5	16	9.5	136
4 X 3 X 1.5	16	18.1	438
6 X 3 X 1.5	16	22.2	614
8 X 3 X 1.5	16	25.3	775

- Please specify the desired packaging size (e.g. 1 x 500 m drum or 5 x 100 m coils)
- All sizes can be manufactured on demand

BUS CABLES

OXTRONIC - BUS L2/FIP



OX-LINK

OXTRONIC - BUS L2/FIP

RoHS

CE



APPLICATION

- For stationary installation of bus systems with 100-120 Ohm impedance
- Suitable for dry and damp indoor environments.
- Serial field bus systems facilitate information exchange between automation systems and connected decentralized field units

PRODUCT BUILD UP

- Available in conventional or fast connect (FC) cable designs.
- PE: designed for food and beverage industry use.
- Annealed solid copper wire.
- Features a special flame-retardant sheath.

TECHNICAL DATA

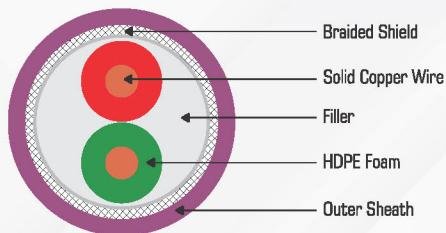
- **Test voltage** : Core/core: 1500V
- **Conductor resistance** : (loop): max. 110 Ohm/km
- **Peak working voltage** : 250 V (not for power applications)
- **Mutual capacitance** : (800 Hz): max. 30nF/km
- **Characteristic impedance** : 150 +/- 15 Ohm

PRODUCT FEATURES

- These bus cables serve PROFIBUS-DP, FMS, and FIP applications.
- Flame-retardant as per IEC 60332-1-2
- Current Carrying Capacity as per IS- 3961

APPROVALS

- Using RoHS* Compliances compounds
- CE* UL* TÜV* GS*



DIMENSION CHARACTER

Conductor Diameter (mm)	Size (AWG)	Outer Diameter (mm)	Weight kg./km
For fixed installation-conventional cable assembly			
1 X 2 X 0.64	22	8.0	57
For fixed installation - "Fast connect" cable assembly			
1 X 2 X 0.64	22	8.0	76

- Please specify the desired packaging size (e.g. 1 x 500 m drum or 5 x 100 m coils)
- All sizes can be manufactured on demand

LAN CABLES

OXLAN - CAT 5e



APPLICATION

- High- performance cable for transmitting high-speed data, digital and analog voice, and video (RGB) signals over LANs. Supports gigabit Ethernet (1000Base-T) standard, operating at bandwidths up to 100MHz, surpassing TIA/EIA- 568-C.2 and ISO/IEC 11801 requirements.

CONSTRUCTION

- Conductor : 24 AWG Solid bare copper (4pair)
- Insulation : PE
- Insulation Dia : 1.04mm
- Pairs : 2 Insulated conductors twisted together
- Sheath : PVC/LSZH/ZHFR
- Cable Dia : 5.0mm nominal
- Printing : Each meter printed with sequential length counter

MECHANICAL PROPERTIES

- Bending Radius : <25.4mm at -20 °C to + 1°C
- Pulling Force : 9kg
- Operating Temperature Range : -20 °C to + 70°C
- Storage Temperature Range : 0 °C to + 50°C

CONNECTION SYSTEM

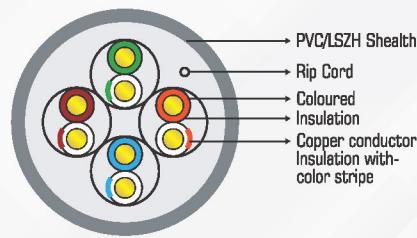
- Compatible with all common systems according to TIA/EIA 568-C.2 and ISO/IEC 11801

PACKING

- Available in easy-pull boxes of guaranteed 305m length

ELECTRICAL PROPERTIES

- Charateristic Impedance : 100±15Ω
- Conductor Resistance : <9.38 Ω/100m
- Insulation Resistance : 100Ω
- Mutual Capacitance : <5.6nF/100m
- Resistance Unbalance : 5% Max
- Capacitance Unbalance : 330pF/100m
- Delay Skew : <45nS
- NVP : 69%
- Operating Voltage : 72V
- Dielectric Strength : 1.0KV dc or 0.75KV ac for 1min



COLOUR CODE

- White-Orange Stripe and Orange
- White-Blue Stripe and Blue
- White-Green Stripe and Green
- White-Brown Stripe and Brown

APPROVALS

- Using RoHS* Compliances compounds
- CE* UL* FCC* CSA*

DIMENSION CHARACTER

Frequency MHz	ATT (dB/100m)	RL (dB)	NEXT (dB)	PSNEXT (dB)	ELFECT (dB)	PSELFEXT (dB)	ACR (dB)	PSACR (dB)
1	2.0	20.0	65.3	62.3	63.8	60.8	63.3	60.3
4	4.1	23.0	56.3	53.3	51.8	48.8	52.2	49.2
8	5.8	24.5	51.8	48.8	45.7	42.7	46.0	43.0
10	6.5	25.0	50.3	47.3	43.8	40.8	43.8	40.8
16	8.2	25.0	47.2	44.2	39.7	36.7	39.0	36.0
20	9.3	25.0	45.8	42.8	37.8	34.8	36.5	33.5
25	10.4	24.3	44.3	41.3	35.8	32.8	33.9	30.9
31.25	11.7	23.6	42.9	39.9	33.9	30.9	31.2	28.2
62.5	17.0	24.5	38.4	35.4	27.9	24.9	21.4	18.4
100	22.0	20.1	35.3	32.3	23.8	20.8	13.3	10.3

- Please specify the desired packaging size (e.g. 1 x 305 m drum or 1 x 500 m drum or 5 x 100 m coils)
- All sizes can be manufactured on demand

LAN CABLES

OXLAN - CAT 6



OX-LINK

OXLAN - CAT 6

RoHS CE



DESCRIPTION

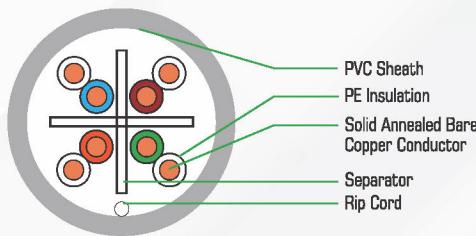
- U/UTP, 24AWG or 23AWG Annealed bare solid copper, CAT 6, CM or CMR
- Cross Filler
- Rip Cord
- PE Insulation
- PVC/LSZH/ZHFR Jacket Materials

APPLICATION

- Structure cabling for horizontal and building backbone cable.
- Transmission of digital and analogue for data video and audio applications
- IEEE 802.3ab 1000BASE-T 1000BASE-TX and legacy speeds
- CDDI/ATM/Token Ring
- Telecom Equipment

CHARACTERISTICS

- High performance of single cable transmission
- Round and smooth jacket without twisted stripe
- High quality of safety property
- Sweep frequency up to 250MHz



APPLICABLE STANDARD ELECTRICAL TRANSMISSION

- ANSI/TIA568.2-D
- ISO/IEC 11801
- IEC 61156-5
- RoHS* CE* UL* FCC* GS*

DIMENSION CHARACTER

Frequency MHz	ATT Max dB/100m	NEXT Min. dB/100m	PSNEXT Min. dB/100m	ACRF Min. dB/100m	PSACRF Min. dB/100m	RL Min. dB/100m	Delay Max. ns/100m	Delay Skew ns/100m
1	2.0	74.3	72.3	67.8	64.8	20.0	570.0	45.0
4	3.8	65.3	63.3	55.8	52.8	23.0	552.0	
8	5.3	60.8	58.8	49.7	46.7	24.5	546.7	
10	6.0	59.3	57.3	47.8	44.8	25.0	545.4	
16	7.6	56.2	54.2	43.7	40.7	25.0	543.0	
20	8.5	54.8	52.8	41.8	38.8	25.0	542.0	
25	9.5	53.3	51.3	39.8	36.8	24.3	541.2	
31.25	10.7	51.9	49.9	37.9	34.9	23.6	540.0	
62.5	15.4	47.4	45.4	31.9	28.9	21.5	538.6	
100	19.8	44.3	42.3	27.8	24.8	20.1	537.6	
150	24.7	41.7	39.7	24.3	21.3	18.9	536.9	
200	29.0	39.8	37.8	21.8	18.8	18.0	536.5	
250	32.8	38.3	36.3	19.8	16.8	17.3	536.3	

- Please specify the desired packaging size (e.g. 1 x 305 m drum or 1 x 500 m drum or 5 x 100 m coils)
- We can provide corrugated steel tape armouring for special application
- All sizes can be manufactured on demand

LAN CABLES

OXLAN - CAT 6 Patch Cord



OX-LINK OXLAN - CAT 6 RoHS CE



DESCRIPTION

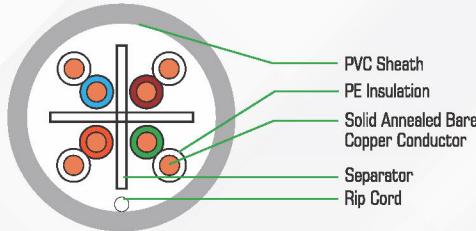
- U/UTP, 24AWG or 23AWG Annealed bare solid copper, CAT 6, CM or CMR
- Without/with cross filler (as per customer's requirement)
- Rip Cord
- PE Insulation
- PVC/LSZH/ZHFR Jacket Materials

APPLICATION

- Structure cabling for horizontal and building backbone cable.
- Transmission of digital and analogue for data video and audio applications
- IEEE 802.3ab 1000BASE-T 1000BASE-TX and legacy speeds
- CDDI/ATM/Token Ring
- Telecom Equipment

CHARACTERISTICS

- High performance of single cable transmission
- Round and smooth jacket without twisted stripe
- High quality of safety property
- Sweep frequency up to 250MHz



APPLICABLE STANDARD ELECTRICAL TRANSMISSION

- ANSI/TIA568.2-D
- ISO/IEC 11801
- IEC 61156-5
- RoHS* CE* UL* ETL* FCC*

DIMENSION CHARACTER

Frequency MHz	ATT Max dB/100m	NEXT Min. dB/100m	PSNEXT Min. dB/100m	ACRF Min. dB/100m	PSACRF Min. dB/100m	RL Min. dB/100m	Delay Max. ns/100m	Delay Skew ns/100m
1	2.4	74.3	72.3	67.8	64.8	20.0	570.0	
4	4.5	65.3	63.3	55.8	52.8	23.0	552.0	
8	6.4	60.8	58.8	49.7	46.7	24.5	546.7	
10	7.1	59.3	57.3	47.8	44.8	25.0	545.4	
16	9.1	56.2	54.2	43.7	40.7	25.0	543.0	
20	10.2	54.8	52.8	41.8	38.8	25.0	542.0	
25	11.4	53.3	51.3	39.8	36.8	24.2	541.2	
31.25	12.8	51.9	49.9	37.9	34.9	24.3	540.4	
62.5	18.5	47.4	45.4	31.9	28.9	20.7	538.6	
100	23.8	44.3	42.3	27.8	24.8	19.0	537.6	
150	29.7	41.7	39.7	24.3	21.3	17.5	536.9	
200	34.8	39.8	37.8	21.8	18.8	16.4	536.5	
250	39.4	38.3	36.3	19.8	16.8	15.6	536.3	45.0

- Please specify the desired packaging size (e.g., 2m, 5m, and 10m patch cord as per box packing).
- We can provide corrugated steel tape armouring for special application
- All sizes can be manufactured on demand

LAN CABLES

OXLAN - CAT 6A F/UTP



DESCRIPTION

- F/UTP, 22AWG or 23AWG, Annealed bare solid copper, CAT 6A, CM or CMR
- Cross Filler
- Rip Cord
- PE Insulation
- PVC/LSZH/ZHFR Jacket Materials

APPLICATION

- Structure cabling for horizontal and building backbone cable.
- Transmission of digital and analogue for data video and audio applications
- IEEE 802.3ab 1000BASE-T 1000BASE-TX and legacy speeds
- CDDI/ATM/Token Ring
- Telecom Equipment

APPLICABLE STANDARD ELECTRICAL TRANSMISSION

- ANSI/TIA568.2-D
- ISO/IEC 11801
- IEC 61156-5
- RoHS* CE* UL* ETL* CSA*

DIMENSION CHARACTER

Frequency MHz	ATT Max dB/100m	NEXT Min. dB/100m	PSNEXT Min. dB/100m	PSANEXT Min. dB/100m	ACRF Min. dB/100m	PSACRF Min. dB/100m	PSAACRF Min. dB/100m	RL Min. dB/100m	Delay Max. ns/100m	Delay Skew ns/100m
1	2.1	74.3	72.3	67.0	67.8	64.8	67.0	20.0	570.0	45.5
4	3.8	65.3	63.3	67.0	55.8	52.8	66.2	23.0	552.0	
8	5.3	60.8	58.8	67.0	49.7	46.7	60.1	24.5	546.7	
10	5.9	59.3	57.3	67.0	47.8	44.8	58.2	25.0	545.4	
16	7.5	56.2	54.2	67.0	43.7	40.7	54.1	25.0	543.0	
20	8.4	54.8	52.8	67.0	41.8	38.8	52.2	25.0	542.0	
25	9.4	53.3	51.3	67.0	39.8	36.8	50.2	24.3	541.2	
31.25	10.5	51.9	49.9	67.0	37.9	34.9	48.3	23.6	540.4	
62.5	15.0	47.4	45.4	65.6	31.9	28.9	42.3	21.5	538.6	
100	19.1	44.3	42.3	62.5	27.8	24.8	38.2	20.1	537.6	
150	23.7	41.7	39.7	59.3	24.3	21.3	34.7	18.9	536.9	
200	27.6	39.8	37.8	58.0	21.8	18.8	32.0	18.0	536.5	
250	31.1	38.3	36.3	56.5	19.8	16.8	30.2	17.3	536.3	
300	34.3	37.1	35.1	55.3	18.3	15.3	28.7	16.8	536.1	
350	37.2	36.1	34.1	54.3	16.9	13.9	27.3	16.9	535.9	
400	40.1	35.3	33.3	53.5	15.8	12.8	26.2	15.9	535.8	
500	45.3	33.8	31.8	52.0	13.8	10.8	24.2	15.2	535.6	

- Please specify the desired packaging size (e.g. 1 x 305 m drum or 1 x 500 m drum or 5 x 100 m coils)
- We can provide corrugated steel tape armouring for special application
- All sizes can be manufactured on demand

LAN CABLES

OXLAN - CAT 6A S/FTP



OX-LINK OXLAN - CAT6A



DESCRIPTION

- S/FTP, 22AWG or 23AWG Annealed bare solid copper, CAT 6A, CM or CMR
- Each pair twist with metal foil screen
- Copper/tinned copper braid
- PE Insulation
- PVC/LSZH/ZHFR Jacket Materials

APPLICATION

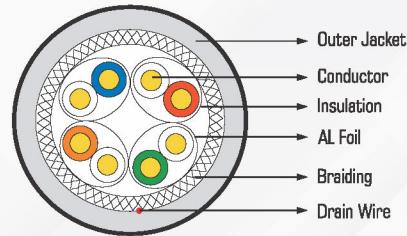
- Structure cabling for horizontal and building backbone cable.
- Transmission of digital and analogue data, video and audio
- IEEE 802.3an 10GBASE-T and older speeds
- CDDI/ATM/Token Ring
- Telecom Equipment

APPLICABLE STANDARD ELECTRICAL TRANSMISSION

- ANSI/TIA568.2-D
- ISO/IEC 11801
- IEC 61156-5
- RoHS* CE* UL* ETL* CSA*

CHARACTERISTICS

- High performance of single cable transmission
- Zigzag jacket design provides excellent performance of six around one bundle transmission
- Round and smooth jacket without twisted stripe
- High quality of safety property
- Sweep frequency up to 500 MHz



DIMENSION CHARACTER

Frequency MHz	ATT Max. dB/100m	NEXT Min. dB/100m	PSNEXT Min. dB/100m	ACRF Min. dB/100m	PSACRF Min. dB/100m	RL Min. dB/100m	Delay Max. ns/100m	Delay Skew ns/100m
1	2.1	74.3	72.3	67.8	64.8	20.0	570.0	45.0
4	3.8	65.3	63.3	55.8	52.8	23.0	552.0	
8	5.3	60.8	58.8	49.7	46.7	24.5	546.7	
10	5.9	59.3	57.3	47.8	44.8	25.0	545.4	
16	7.5	56.2	54.2	43.7	40.7	25.0	543.0	
20	8.4	54.8	52.8	41.8	38.8	25.0	542.1	
25	9.4	53.3	51.3	39.8	36.8	24.3	541.2	
31.25	10.5	51.9	49.9	37.9	34.9	23.6	540.4	
62.5	15.0	47.4	45.4	31.9	28.9	21.5	538.6	
100	19.1	44.3	42.3	27.8	24.8	20.1	537.6	
150	23.7	41.7	39.7	24.3	21.3	18.9	536.9	
200	27.6	39.8	37.8	21.8	18.8	18.0	536.6	
250	31.1	38.3	36.3	19.8	16.8	17.3	536.3	
300	34.3	37.1	35.1	18.3	15.3	16.8	536.1	
350	37.3	36.1	34.1	16.9	13.9	16.3	535.9	
400	40.1	35.3	33.3	15.8	12.8	15.9	535.8	
500	45.3	33.8	31.8	13.8	10.8	15.2	535.6	

- Please specify the desired packaging size (e.g. 1 x 305 m drum or 1 x 500 m drum or 5 x 100 m coils)
- We can provide corrugated steel tape armouring for special application
- All sizes can be manufactured on demand

LAN CABLES

OXLAN - CAT 6A Patch Cord



OX-LINK

OXLAN - CAT 6A

RoHS

CE



DESCRIPTION

- F/UTP, 22AWG or 23AWG Annealed bare solid copper, CAT 6A, CM
- Cross Filler
- Rip Cord
- PE Insulation
- PVC /LSZH /ZHFR Jacket Materials

APPLICATION

- Structure cabling for horizontal and building backbone cable.
- Transmission of digital and analogue for data video and audio applications
- IEEE 802.3ab 1000BASE-T 1000BASE-TX and legacy speeds
- CDDI/ATM/Token Ring
- Telecom Equipment

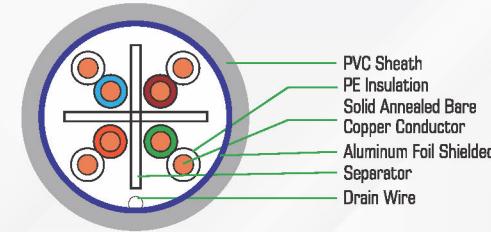
APPLICABLE STANDARD ELECTRICAL TRANSMISSION

- ANSI/TIA568.2-D
- ISO/IEC 11801
- IEC 61156-5
- RoHS* CE* UL* ETL* FCC*

DIMENSION CHARACTER

Frequency MHz	ATT Max dB/100m	NEXT Min. dB/100m	PSNEXT Min. dB/100m	PSANEXT Min. dB/100m	ACRF Min. dB/100m	PSACRF Min. dB/100m	PSAACRF Min. dB/100m	RL Min. dB/100m	Delay Max. ns/100m	Delay Skew ns/100m
1	2.5	74.3	72.3	67.0	67.8	64.8	67.0	20.0	570.0	45.0
4	4.6	65.3	63.3	67.0	55.8	52.8	66.2	23.0	552.0	
8	6.4	60.8	58.8	67.0	49.7	46.7	60.1	24.5	546.7	
10	7.1	59.3	57.3	67.0	47.8	44.8	58.2	25.0	545.4	
16	9.0	56.2	54.2	67.0	43.7	40.7	54.1	25.0	543.0	
20	10.1	54.8	52.8	67.0	41.8	38.8	52.2	25.0	542.0	
25	11.3	53.3	51.3	67.0	39.8	36.8	50.2	24.2	541.2	
31.25	12.6	51.9	49.9	67.0	37.9	34.9	48.3	23.3	540.4	
62.5	18.0	47.4	45.4	65.6	31.9	28.9	42.3	20.7	538.6	
100	23.0	44.3	42.3	62.5	27.8	24.8	38.2	19.0	537.6	
150	28.4	41.7	39.7	59.9	24.3	21.3	34.7	17.5	536.9	
200	33.1	39.8	37.8	58.0	21.8	18.8	32.2	16.4	536.5	
250	37.3	38.3	36.3	56.5	19.8	16.8	30.2	15.6	536.3	
300	41.1	37.1	35.1	55.3	18.3	15.3	28.7	14.9	536.1	
350	44.7	36.1	34.1	54.3	16.9	13.9	27.3	14.3	535.9	
400	48.1	35.3	33.3	53.5	15.8	12.8	26.2	13.8	535.8	
500	54.3	33.8	31.8	52.0	13.8	10.8	24.2	13.0	535.6	

- Please specify the desired packaging size (e.g., 2m, 5m, and 10m patch cord as per box packing).
- We can provide corrugated steel tape armouring for special application
- All sizes can be manufactured on demand



LAN CABLES

OXLAN - CAT 7



DESCRIPTION

- S/FTP, 22AWG or 23AWG Annealed bare solid copper, CAT 7, CM or CMR
- PE / Foam PE Insulation
- Each pair twist with metal foil screen
- Copper/tinned copper braid
- PVC/LSZH/ZHFR Jacket Materials

CHARACTERISTICS

- Achieving superior transmission performance
- Ensuring top-notch safety standards
- Supporting a sweeping frequency range of up to 600 MHz.

APPLICABLE STANDARD ELECTRICAL

TRANSMISSION

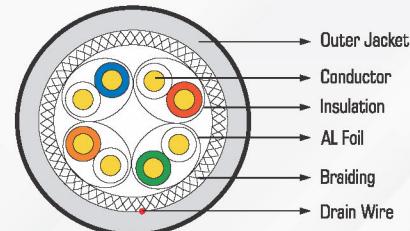
- ISO/IEC 11801
- IEC 61156-5

APPLICABLE STANDARD ELECTRICAL

- EU Directive*
- RoHS* CE* UL* ETL* CSA*

APPLICATION

- Implement structured cabling for horizontal and building backbone cables
- Transmit digital and analog signals for data, video and audio applications
- Use metal shielding and braiding for effective protection against EMI noise
- IEEE 802.3an 10G BASE-T legacy speeds
- CDDI/ATM/Token Ring
- Telecom Equipment



DIMENSION CHARACTER

Frequency MHz	ATT Max dB/100m	NEXT Min. dB/100m	PSNEXT Min. dB/100m	ACRF Min. dB/100m	PSACRF Min. dB/100m	RL Min. dB/100m	Delay Max. ns/100m	Delay Skew ns/100m
4	3.7	78.0	75.0	78.0	75.0	23.0	552.0	25.0
8	5.2	78.0	75.0	75.9	72.9	24.5	546.7	
10	5.9	78.0	75.0	74.0	71.0	25.0	545.4	
16	7.4	78.0	75.0	69.9	66.9	25.0	543.0	
20	8.3	78.0	75.0	68.0	65.0	25.0	542.1	
25	9.3	78.0	75.0	66.0	63.0	24.3	541.2	
31.25	10.4	78.0	75.0	64.1	61.1	23.6	540.4	
62.5	14.9	75.5	72.5	58.1	55.1	21.5	538.6	
100	19.0	72.4	69.4	54.0	51.0	20.1	537.6	
150	23.6	69.8	66.8	50.5	47.5	18.9	536.9	
200	27.5	67.9	64.9	48.0	45.0	18.0	536.6	
250	31.0	66.4	63.4	46.0	43.0	17.3	536.3	
350	37.2	64.2	61.2	43.1	40.1	17.3	535.9	
400	40.0	63.4	60.4	42.0	39.0	17.3	535.8	
500	45.3	61.9	58.9	40.0	37.0	17.3	535.6	
600	50.1	60.7	57.7	38.4	35.4	17.3	535.5	

- Please specify the desired packaging size (e.g. 1 x 305 m drum or 1 x 500 m drum or 5 x 100 m coils)
- We can provide corrugated steel tape armouring for special application
- All sizes can be manufactured on demand

LAN CABLES

OXLAN - CAT 7A



OX-LINK OXLAN - CAT 7A



DESCRIPTION

- S/FTP, 22AWG or 23AWG Annealed bare solid copper, CAT 7A, CM or CMR
- Each pair twist with metal foil screen
- PE / Foam PE Insulation
- Copper/tinned copper braid
- PVC/LSZH/ZHFR Jacket Materials

CHARACTERISTICS

- Superior transmission performance
- Excellent safety features
- Sweep frequency reaching up to 1000MHz

APPLICABLE STANDARD ELECTRICAL TRANSMISSION

- ISO/IEC 11801
- IEC 61156-5

MATERIAL AND CONSTRUCTION

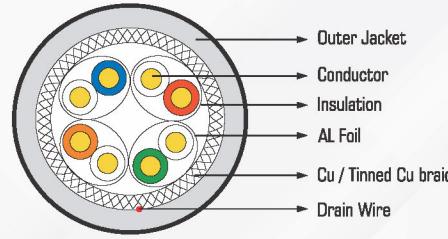
- EU Directive*
- RoHS* CE* UL* ETL* CSA*

DIMENSION CHARACTER

Frequency MHz	ATT Max dB/100m	NEXT Min. dB/100m	PSNEXT Min. dB/100m	ACRF Min. dB/100m	PSACRF Min. dB/100m	RL Min. dB/100m	Delay Max. ns/100m	Delay Skew ns/100m
4	3.8	78.0	75.0	78.0	75.0	23.0	552.0	
8	5.2	78.0	75.0	77.2	74.2	24.5	546.7	
10	5.8	78.0	75.0	75.3	72.3	25.0	545.4	
16	7.3	78.0	75.0	71.2	68.2	25.0	543.0	
20	8.2	78.0	75.0	69.3	66.3	25.0	542.1	
25	9.3	78.0	75.0	67.3	64.3	24.3	541.2	
31.25	10.3	78.0	75.0	65.4	62.4	23.6	540.4	
62.5	14.6	78.0	75.0	59.4	56.4	21.5	538.6	
100	18.5	75.4	72.4	55.3	52.3	20.1	537.6	
150	22.8	72.8	69.8	51.8	48.8	18.9	536.9	
200	26.5	70.9	67.9	49.3	46.3	18.0	536.9	
250	29.7	69.4	66.4	47.3	44.3	17.3	536.3	
350	35.4	67.2	64.2	44.4	41.4	17.3	535.9	
400	38.0	66.4	63.4	43.3	40.3	17.3	535.8	
500	42.8	64.9	61.9	41.3	38.3	17.3	535.6	
600	47.1	63.7	60.7	39.7	36.7	17.3	535.5	
700	51.1	62.7	59.7	38.4	35.4	16.6	535.4	
900	58.3	61.1	58.1	36.2	33.2	15.5	535.2	
1000	61.9	60.4	57.4	35.3	32.3	15.1	552.1	25.0

APPLICATION

- Implement structured cabling for horizontal and building backbone cables
- Transmit digital and analog signals for data, video and audio applications
- Use metal shielding and braiding for effective protection against EMI noise
- IEEE 802.3an 10GBASE-T and legacy speeds
- CDDI/ATM/Token Ring
- Telecom Equipment



- Please specify the desired packaging size (e.g. 1 x 305 m drum or 1 x 500 m drum or 5 x 100 m coils)
- We can provide corrugated steel tape armouring for special application
- All sizes can be manufactured on demand

SOLAR CABLES

OXSOL-H



OX-LINK OXSOL-H RoSH CE

FEATURE

- Weather/UV resistant/ozone resistant as per IS-17293
- Flame retardant
- Halogen-free.
- Low corrosiveness of combustion gases
- Good notch and abrasion resistance.
- Tested against burial-related mechanical tests for Impact and crushing resistance.
- Current Carrying Capacity as per IS-3961.

PRODUCT BUILD UP

- Copper conductor as per IS-8130
- Cross-linked copolymer core insulation.
- Cross-linked copolymer outer sheath.
- Outer sheath colour options: black, red, or blue

APPROVALS

- Using RoHS* Compliances compounds
-

TECHNICAL DATA

- | | |
|----------------------------|--|
| • Test voltage | : AC 6500 V |
| • Bending radius | : Minimum bending radius $\leq 20 \times$ Cable O.D. |
| • Nominal Voltage | : AC Uo/U: 1.0/1.0 kV DC Uo/U: 1.5/1.5 kV |
| • Temperature range | : -20° C to +90° C |

DIMENSION CHARACTER

Nominal Cross-sectional Area of Conductor (mm ²)	Thickness of Insulation (mm)	Thickness of Sheath (mm)	Mean Overall Diameter (mm)
Black Outer Sheath			
4	0.7	0.8	6.6
6	0.7	0.8	7.2
10	0.7	0.8	8.3
Red Outer Sheath			
4	0.7	0.8	6.6
6	0.7	0.8	7.2
10	0.7	0.8	8.3
Blue Outer Sheath			
4	0.7	0.8	6.6
6	0.7	0.8	7.2
10	0.7	0.8	8.3

- Please specify the desired packaging size (e.g. 1 x 500 m drum or 5 x 100 m coils)
- All sizes can be manufactured on demand

DRAG/ENERGY CHAIN CABLES

OXDRAG - PUR (For high mechanical stress & moving application)



OX-LINK

OXDRAG - PUR

RoSH

CE



FEATURE

- Resistant to oil, UV radiation, hydrolysis, microbes, coolants, hydraulic fluids, greases, sea water, and waste water.
- Highly abrasion resistant, with low adhesion.
- Designed for outdoor use.
- Suitable for drag/energy chains.
- Halogen-free.
- Current Carrying Capacity as per IS 3961

PRODUCT BUILD UP

- Annealed bare copper wire, Class-6
- Core insulation: TPE
- Protective conductor: starting with 3 cores
- Fleece wrapping over each stranding layer as per requirement
- Outer sheath: Polyurethane

TECHNICAL DATA

- Test voltage** : 3000 V
- Bending radius** : Minimum bending radius $\leq 5 \times$ Cable O.D.
- Nominal Voltage** : AC Uo/U 300/500 V
- Temperature range** : -30 °C to +80 °C

DIMENSION CHARACTER

Size (mm ²)	Size (AWG)	Outer Diameter (mm)	Weight Kg./km
2 X 0.5	20	5.5	38.0
3G 0.5	20	5.8	46.0
30 G 0.5	20	14.5	315.0
36 G 0.5	20	15.5	374.0
2 X 0.75	19	6.5	47.0
3 X 0.75	19	6.9	58.0
30 X 0.75	19	17.2	420.0
36 G 0.75	19	18.7	498.0
2 X 1	18	6.9	55.0
3 G 1	18	7.5	70.0
50 G 1	18	24.2	953.0
2 X 1.5	16	7.7	70.0
3 G 1.5	16	8.2	90.0
20 G 1.5	16	17.8	510.0

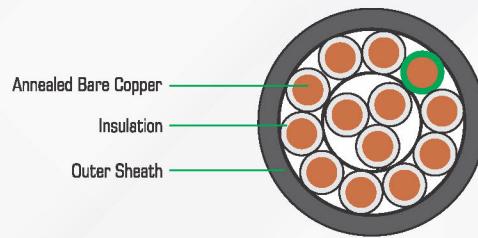
- Please specify the desired packaging size (e.g. 1 x 500 m drum or 5 x 100 m coils)
- All sizes can be manufactured on demand

APPLICATION

- These drag chain cables are ideal for flexible use in machine & tool construction, robotics and continuously moving machine parts across multi-shift operations, featuring a highly flexible design, and cut-resistant low adhesive PUR outer sheath, these cables ensure long lifespan and economic efficiency.

APPROVALS

- Using RoHS* Compliances compounds
- CE* UL* UL* GS*



Size (mm ²)	Size (AWG)	Outer Diameter (mm)	Weight Kg./km
25 G 1.5	16	20.6	650.0
2 X 2.5	14	9.1	115.0
3 G 2.5	14	9.7	162.0
20 G 2.5	14	21.4	858.0
25 G 2.5	14	25.0	998.0
4 G 4	12	13.3	283.0
7 G 4	12	17.8	498.0
4 G 6	10	14.9	432.0
7 G 6	10	20.1	782.0
4 G 10	8	18.8	685.0
7 G 10	8	25.4	1023.0
4 G 16	6	21.9	1042.0
7 G 16	6	29.7	1709.0

TECHNICAL TABLE

Conductor Resistances

Conductor resistance for copper conductor

(extract from VDE 0295 and in accordance with international rules, e.g. IEC 60228).

Nominal Cross-sectional (mm ²)	Nominal Cross-sectional (AWG)	Maximum Conductor Resistance at 20°C (Ohm/Km)			
		Metal Coated Copper Wire		Bare Copper Wire	
		Class 1+ 2	Class 5+ 6	Class 1+ 2	Class 5+ 6
0.14	26	-	142.0	-	138.0
0.25	23	-	82.0	-	79.0
0.34	22	-	59.0	-	57.0
0.5	20	36.7	40.1	36.0	39.0
0.75	18	24.8	26.7	24.5	26.0
1.0	17	18.2	20.0	18.1	19.5
1.5	16	12.2	13.7	12.1	13.3
2.5	14	7.56	8.21	7.41	7.98
4.0	12	4.70	5.09	4.61	4.95
6.0	10	3.11	3.39	3.08	3.30
10	8	1.84	1.95	1.83	1.91
16	6	1.16	1.24	1.15	1.21
25	4	0.734	0.795	0.727	0.780
35	2	0.529	0.565	0.524	0.554
50	0	0.391	0.393	0.387	0.386

Conductor Make-up

(Accordance with IEC 60228, VDE0295, IS:8130/84)

Conductor make-up is specified by the maximum single wire diameter and the maximum conductor resistance

Nominal Cross-sectional (mm ²)	Nominal Cross-sectional (AWG)	Approximate no. of wire / Nominal wire diameter No./mm		Approximate no. of wire / Nominal wire diameter No./mm	
		Multi-Strands Conductors Class 2	Multi-Wires Conductors Class 2	Fine-Wire Conductors Class 5	Fine-Wire Conductors Class 6
0.14	26	-	-	-	18 x 0.10
0.25	23	-	-	14 x 0.15	32 x 0.10
0.34	22	-	7 x 0.25	19 x 0.15	42 x 0.10
0.5	20	7 x 0.30	7 x 0.30	16 x 0.20	28 x 0.15
0.75	18	7 x 0.37	7 x 0.37	24 x 0.20	42 x 0.15
1.0	17	7 x 0.43	19 x 0.26	32 x 0.20	56 x 0.15
1.5	16	7 x 0.52	19 x 0.32	37 x 0.230	84 x 0.15
2.5	14	7 x 0.67	37 x 0.29	61 x 0.230	140 x 0.15
4.0	12	7 x 0.85	61 x 0.29	61 x 0.288	224 x 0.15
6.0	10	7 x 1.05	91 x 0.29	91 x 0.288	192 x 0.20
10	8	7 x 1.35	91 x 0.37	91 x 0.376	320 x 0.20
16	6	7 x 1.70	145 x 0.37	144 x 0.376	512 x 0.20
25	4	7 x 2.13	183 x 0.42	196 x 0.40	800 x 0.20
35	2	7 x 2.52	183 x 0.50	276 x 0.40	1120 x 0.20
50	0	7 x 1.83	183 x 0.60	396 x 0.40	705 x 0.30

TECHNICAL TABLE

Power Rating

Power rating of wire and cables at ambient temperature up to 30°C

Nominal Cross-Sectional (mm²)	0.25	0.50	0.75	1.0	1.5	2.5	4.0	6.0	10	16	25	35	50
Nominal Cross-Sectional (AWG)	23	20	18	17	16	14	12	10	8	6	4	2	0
Power Rating (Amp)	4.5	9	12	15	18	26	34	44	61	82	108	135	168

Correction Factors

For ambient temperature different to 30°C

Ambient Temperature in °C	Rated temperature of the conductor of wire and cable				
	60 °C	70 °C	80 °C	85 °C	90 °C
10	1.29	1.22	1.18	1.17	1.15
15	1.22	1.17	1.14	1.13	1.12
20	1.15	1.12	1.10	1.09	1.08
25	1.08	1.06	1.05	1.04	1.04
30	1.00	1.00	1.00	1.00	1.00
35	0.94	0.94	0.95	0.95	0.96
40	0.84	0.84	0.87	0.90	0.91
45	0.79	0.79	0.84	0.85	0.87
50	0.71	0.71	0.77	-	0.82
55	0.61	0.61	0.71	-	0.76
60	0.50	0.50	0.63	-	0.71
65	0.35	0.35	0.55	-	0.65
70	-	-	0.45	-	0.58
75	-	-	0.32	-	0.50
80	-	-	-	-	0.41
85	-	-	-	-	0.29

Correction Factors

For multiconductor cables and cords, having conductor size up to 10 mm²

Rated temperature of the conductor of wire and cable		
No. of current carrying conductors	Correction factors for cables in free air	Correction factors for cables in earth (burial)
5	0.75	0.70
7	0.65	0.60
10	0.55	0.50
14	0.50	0.45
19	0.45	0.40
24	0.40	0.35
40	0.35	0.30
61	0.30	0.25



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