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LLT is not responsible for any changes, without notice, on the technical characteristics of this catalog.



LLT HAS ALL KINDS OF WIRE & CABLE.

PRODUCT GUIDE

INTRODUCTION OF FACTORY



Brief Introduction

LLT Group was founded in 2001 and is now a worldwide leader in development, design, manufacture, and marketing of wire & cable. Today, LLT cable has been sold to all over the world with different standards. As an ISO9001:2008 verified factory, our skilled team cares about the quality and LLT Cable has earned a good reputation from customers. Trust LLT, get secure life.

What should you know about LLT?

- LLT has become the biggest manufacturer for Fire Resistant Cable in Southern China.
- LLT knows all kinds of different material cables to meet your market request in different countries.
- If you need a specific certificate or a special cable, we will get it done.

The Range of Application of LLT Cable

- Audio, Video, Data and Control Systems
- Home Theater Installations
- In Wall and Outdoor Audio
- High Definition Digital Video
- Residential Pre-wiring Structures
- Lighting Power and Control
- Fire Detection and Fire Alarm Systems for Buildings
- Voice Alarm Systems
- Emergency Lighting
- Addressable Systems



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Remark:

TC: Tinned copper BC: Bare copper

CCA: Copper clad Aluminum

CCS: Copper clad Steel

LSZII: Low smoking zero Halogen



CATV COAXIAL CABLE

RG11



Part No.	Specification	Conductor	Outer Dia.
CA11011	14 AWG (1/1.63mm) CCS FPE, 100% Foil, 60% AL Braid	14# CCS 1/1.63mm	0.405" 10.3mm
		14# BC 1/1.63mm	0.405" 10.3mm
CA11012	14 AWG (1/1.63mm) BC FPE, 100% Foil, 60% AL Braid	14# BC 1/1.63mm	0.405" 10.3mm
		14# CCS 1/1.63mm	0.424" 10.7mm
CA11022Q	14 AWG (1/1.63mm) CCS FPE, 100% Foil, 60%+40% AL Braid, Quad	14# CCS 1/1.63mm	0.424" 10.7mm
CA11023Q	14 AWG (1/1.63mm) BC FPE, 100% Foil, 60%+40% AL Braid, Quad	14# BC 1/1.63mm	0.424" 10.7mm

RG6



Part No.	Specification	Conductor	Outer Dia.
CA60011	18 AWG (1/1.02mm) CCS FPE, 100% Foil, 60% AL Braid	18# CCS 1/1.02mm	0.272" 6.9mm
		18# BC 1/1.02mm	0.272" 6.9mm
CA60012	18 AWG (1/1.02mm) CCS FPE, 100% Foil, 95% AL Braid	18# CCS 1/1.02mm	0.272" 6.9mm
		18# BC 1/1.02mm	0.272" 6.9mm
CA60016	18 AWG (1/1.02mm) BC FPE, 100% Foil, 60% AL Braid	18# BC 1/1.02mm	0.272" 6.9mm
CA60018	18 AWG (1/1.02mm) BC FPE, 100% Foil, 95% AL Braid	18# BC 1/1.02mm	0.272" 6.9mm
CA60022Q	18 AWG (1/1.02mm) CCS FPE, 100% Foil, 60%+40% AL Braid, Quad	18# CCS 1/1.02mm	0.298" 7.5mm
CA60023Q	18 AWG (1/1.02mm) BC FPE, 100% Foil, 60%+40% AL Braid, Quad	18# BC 1/1.02mm	0.298" 7.5mm

RG59



Part No.	Specification	Conductor	Outer Dia.
CA59011	20AWG (1/0.81mm) CCS FPE, 100% Foil, 60% AL Braid	20# CCS 1/0.81mm	0.237" 6.0mm
		20# BC 1/0.81mm	0.237" 6.0mm
CA59012	20AWG (1/0.81mm) CCS FPE, 100% Foil, 95% AL Braid	20# CCS 1/0.81mm	0.237" 6.0mm
		20# BC 1/0.81mm	0.237" 6.0mm
CA59016	20AWG (1/0.81mm) BC FPE, 100% Foil, 60% AL Braid	20# BC 1/0.81mm	0.237" 6.0mm
CA59018	20AWG (1/0.81mm) BC FPE, 100% Foil, 95% AL Braid	20# BC 1/0.81mm	0.237" 6.0mm

· Outer Jacket can be any colors, normally black & white.

· Outdoor use is available, including waterproof & fire resistant & UV resistant etc.

· Packing length: 500FT, 1000FT, 100M, 200M, 300M, 305M, 500M

· Other special request is available.



CCTV COAXIAL CABLE

RG11



Part No.	Specification	Conductor	Outer Dia.
CC11030	14 AWG (1/1.63mm) BC FPE, 100% Foil, 80% BC Braid	14# BC 1/1.63mm	0.405" 10.3mm
		14# BC 1/1.63mm	0.405" 10.3mm
CC11033	14 AWG (1/1.63mm) BC FPE, 100% Foil, 95% BC Braid	14# BC 1/1.63mm	0.405" 10.3mm
		14# BC 1/1.63mm	0.405" 10.3mm
CC11033B	14 AWG (1/1.63mm) BC FPE, 100% Foil, 95% BC Braid (Direct Burial Use)	14# BC 1/1.63mm	0.405" 10.3mm

RG6



Part No.	Specification	Conductor	Outer Dia.
CC60050	18 AWG (1/1.02mm) BC FPE, 100% Foil, 95% BC Braid	18# BC 1/1.02mm	0.272" 6.9mm
		18# BC 1/1.02mm	0.272" 6.9mm
CC60055	18 AWG (1/1.02mm) BC FPE, 100% Foil, 95% CCA Braid	18# BC 1/1.02mm	0.272" 6.9mm
		18# BC 1/1.02mm	0.272" 6.9mm
CC60050B	18 AWG (1/1.02mm) BC FPE, 100% Foil, 95% BC Braid (Direct Burial Use)	18# BC 1/1.02mm	0.272" 6.9mm

RG59



Part No.	Specification	Conductor	Outer Dia.
CC59060	20AWG (1/0.81mm) BC FPE, 100% Foil, 95% BC Braid	20# BC 1/0.81mm	0.237" 6.0mm
		20# BC 1/0.81mm	0.237" 6.0mm
CC59066	20AWG (1/0.81mm) BC FPE, 100% Foil, 95% CCA Braid	20# BC 1/0.81mm	0.237" 6.0mm
		20# BC 1/0.81mm	0.237" 6.0mm
CC59060B	20AWG (1/0.81mm) BC FPE, 100% Foil, 95% BC Braid (Direct Burial Use)	20# BC 1/0.81mm	0.237" 6.0mm
CC59100S	22AWG (7/30#) BC Stranded FPE, 100% Foil, 95% BC Braid	22# BC 7/30# BC	0.237"

RG58/U



Part No.	Specification	Conductor	Outer Dia.
CC58080	20AWG (1/0.81mm) BC 0.116" Solid PE, 100% Foil, 95% TC Braid	20# BC 1/0.81mm	0.195" 4.95mm
		20# BC 1/0.81mm	0.195" 4.95mm
CC58081	20AWG (19/32#) BC 0.102" FPE, 100% Foil, 95% TC Braid	20# BC 19/0.18mm	0.195" 4.95mm
		20# BC 19/0.18mm	0.195" 4.95mm
CC58081T	20AWG (19/32#) TC 0.102" FPE, 100% Foil, 95% TC Braid	20# BC 19/0.18mm	0.195" 4.95mm

· Outer Jacket can be any colors, normally black & white.

· Outdoor use is available, including waterproof & fire resistant & UV resistant etc.

· Packing length: 500FT, 1000FT, 100M, 200M, 300M, 305M, 500M

· Other special request is available.



CCTV COAXIAL CABLE

MINI COAX



Part No.	Specification	Conductor	Outer Dia.
CC001100	25AWG (1/0.4mm) BC <u>MINI RG59</u> FPE, 100% Foil, 95% BC Braid	25# BC 1/0.4mm	0.150" 3.8mm
CC001111	26AWG (7/34#) BC <u>RG174</u> Solid PE, 100% Foil, 95% TC Braid	26# BC 7/0.15mm	0.110" 2.8mm

RG213



Part No.	Specification	Conductor	Outer Dia.
CC21300	7/0.75mm BC 7.24mm Solid PE, 95% BC Braid	7/0.75mm BC	10.28mm
CC21301	7/0.75mm BC 7.24mm Solid PE, 95% TC Braid	7/0.75mm BC	10.28mm
CC21303	13AWG (7/21#) BC 0.285" FPE, 95% BC Braid	13# 7/21# BC	0.405"

RG214



Part No.	Specification	Conductor	Outer Dia.
CC21440	13AWG (7/0.75mm) Silver-plated Copper 0.285" Solid PE, 96% + 98% Silver-plated Copper Braid, Dual Braid Shield	7/21# SPC 7/0.75mm	0.425" 10.79mm

RG59 (European Standard)



Part No.	Specification	Conductor	Outer Dia.
CC59060E	1/0.64mm BC 3.7mm Solid PE, 100% Foil, 95% BC Braid	1/0.64mm BC	6.0mm
CC59066E	1/0.64mm BC 3.7mm Solid PE, 100% Foil, 95% CCA Braid	1/0.64mm BC	6.0mm
CC59KX6	7/0.2mm BC <u>KX6</u> 3.7mm Solid PE, 100% Foil, 95% CCA Braid	7/0.2mm BC	6.0mm
CC59KX6A	7/0.2mm BC <u>KX6A</u> 3.7mm Solid PE, 100% Foil, 95% BC Braid	7/0.2mm BC	6.0mm

- Outer Jacket can be any colors, normally black & white.
- Outdoor use is available, including waterproof & fire resistant & UV resistant etc.
- Packing length: 500FT, 1000FT, 100M, 200M, 300M, 305M, 500M
- Other special request is available.



CCTV COMBINED COAXIAL CABLE

For American Standard

Siamese Cable (VIDEO + POWER)



Part No.	Specification	Conductor	Outer Dia.
SIA12012	RG59 20AWG BC 95% BC + 18/2 BC Power	20# BC	0.232" x 0.421"
SIA12020	RG59 20AWG BC 95% CCA + 18/2 BC Power	20# BC	0.232" x 0.421"
SIA12030	RG59 20AWG BC 95% CCA + 18/2 CCA Power	20# BC	0.232" x 0.421"
SIA12011B	RG59 20AWG CCS 95% CCA + 18/2 CCA Power	20# CCS	0.232" x 0.421"

Overall Cable (VIDEO + POWER)



Part No.	Specification	Conductor	Outer Dia.
RT12012	RG59 20AWG BC 95% BC + 18/2 BC Power	20# BC	0.34"
RT12020	RG59 20AWG BC 95% CCA + 18/2 BC Power	20# BC	0.34"
RT12030	RG59 20AWG BC 95% CCA + 18/2 CCA Power	20# BC	0.34"
RT12011B	RG59 20AWG CCS 95% CCA + 18/2 CCA Power	20# CCS	0.34"

For European Standard

Siamese Cable (VIDEO + POWER)



Part No.	Specification	Conductor	Outer Dia. (mm)
ESC590031	RG59 1/0.64mm BC 95% BC + 2 x 0.3 BC Power	1/0.64mm BC	6.0 x 11.0
ESC590051	RG59 1/0.64mm BC 95% BC + 2 x 0.5 BC Power	1/0.64mm BC	6.0 x 11.3
ESC590751	RG59 1/0.64mm BC 95% BC + 2 x 0.75 BC Power	1/0.64mm BC	6.0 x 11.5
ESC590101	RG59 1/0.64mm BC 95% BC + 2 x 1.0 BC Power	1/0.64mm BC	6.0 x 11.8

Overall Cable (VIDEO + POWER)



Part No.	Specification	Conductor	Outer Dia.
ERT590031	RG59 1/0.64mm BC 95% BC + 2 x 0.3 BC Power	1/0.64mm BC	9.5mm
ERT590051	RG59 1/0.64mm BC 95% BC + 2 x 0.5 BC Power	1/0.64mm BC	10.0mm
ERT590751	RG59 1/0.64mm BC 95% BC + 2 x 0.75 BC Power	1/0.64mm BC	10.0mm
ERT590101	RG59 1/0.64mm BC 95% BC + 2 x 1.0 BC Power	1/0.64mm BC	11.0mm

Other Materials (CCA and CCS) are available.



CCTV COMBINED COAXIAL CABLE

For European Standard



Siamese Cable (VIDEO + POWER + DATA)

Part No.	Specification	Conductor	Part No.	Specification	Conductor
VPD59032	RG59 + 2 × 0.3 + 2 × 0.22	All BC	MVPD59032	MINI RG59 + 2 × 0.3 + 2 × 0.22	All BC
VPD59034	RG59 + 2 × 0.3 + 4 × 0.22	All BC	MVPD59034	MINI RG59 + 2 × 0.3 + 4 × 0.22	All BC
VPD59036	RG59 + 2 × 0.3 + 6 × 0.22	All BC	MVPD59036	MINI RG59 + 2 × 0.3 + 6 × 0.22	All BC
VPD59038	RG59 + 2 × 0.3 + 8 × 0.22	All BC	MVPD59038	MINI RG59 + 2 × 0.3 + 8 × 0.22	All BC
VPD59052	RG59 + 2 × 0.5 + 2 × 0.22	All BC	MVPD59052	MINI RG59 + 2 × 0.5 + 2 × 0.22	All BC
VPD59054	RG59 + 2 × 0.5 + 4 × 0.22	All BC	MVPD59054	MINI RG59 + 2 × 0.5 + 4 × 0.22	All BC
VPD59056	RG59 + 2 × 0.5 + 6 × 0.22	All BC	MVPD59056	MINI RG59 + 2 × 0.5 + 6 × 0.22	All BC
VPD59058	RG59 + 2 × 0.5 + 8 × 0.22	All BC	MVPD59058	MINI RG59 + 2 × 0.5 + 8 × 0.22	All BC
VPD59752	RG59 + 2 × 0.75 + 2 × 0.22	All BC	MVPD59752	MINI RG59 + 2 × 0.75 + 2 × 0.22	All BC
VPD59754	RG59 + 2 × 0.75 + 4 × 0.22	All BC	MVPD59054	MINI RG59 + 2 × 0.75 + 4 × 0.22	All BC
VPD59756	RG59 + 2 × 0.75 + 6 × 0.22	All BC	MVPD59056	MINI RG59 + 2 × 0.75 + 6 × 0.22	All BC
VPD59758	RG59 + 2 × 0.75 + 8 × 0.22	All BC	MVPD59058	MINI RG59 + 2 × 0.75 + 8 × 0.22	All BC

Overall Cable (VIDEO + POWER + DATA)

Part No.	Specification	Conductor	Part No.	Specification	Conductor
VPD5932R	RG59 + 2 × 0.3 + 2 × 0.22	All BC	MVPD5932R	MINI RG59 + 2 × 0.3 + 2 × 0.22	All BC
VPD5934R	RG59 + 2 × 0.3 + 4 × 0.22	All BC	MVPD5934R	MINI RG59 + 2 × 0.3 + 4 × 0.22	All BC
VPD5936R	RG59 + 2 × 0.3 + 6 × 0.22	All BC	MVPD5936R	MINI RG59 + 2 × 0.3 + 6 × 0.22	All BC
VPD5938R	RG59 + 2 × 0.3 + 8 × 0.22	All BC	MVPD5938R	MINI RG59 + 2 × 0.3 + 8 × 0.22	All BC
VPD5952R	RG59 + 2 × 0.5 + 2 × 0.22	All BC	MVPD5952R	MINI RG59 + 2 × 0.5 + 2 × 0.22	All BC
VPD5954R	RG59 + 2 × 0.5 + 4 × 0.22	All BC	MVPD5954R	MINI RG59 + 2 × 0.5 + 4 × 0.22	All BC
VPD5956R	RG59 + 2 × 0.5 + 6 × 0.22	All BC	MVPD5956R	MINI RG59 + 2 × 0.5 + 6 × 0.22	All BC
VPD5958R	RG59 + 2 × 0.5 + 8 × 0.22	All BC	MVPD5958R	MINI RG59 + 2 × 0.5 + 8 × 0.22	All BC
VPD59752R	RG59 + 2 × 0.75 + 2 × 0.22	All BC	MVPD59752R	MINI RG59 + 2 × 0.75 + 2 × 0.22	All BC
VPD59754R	RG59 + 2 × 0.75 + 4 × 0.22	All BC	MVPD59054R	MINI RG59 + 2 × 0.75 + 4 × 0.22	All BC
VPD59756R	RG59 + 2 × 0.75 + 6 × 0.22	All BC	MVPD59056R	MINI RG59 + 2 × 0.75 + 6 × 0.22	All BC
VPD59758R	RG59 + 2 × 0.75 + 8 × 0.22	All BC	MVPD59058R	MINI RG59 + 2 × 0.75 + 8 × 0.22	All BC

NETWORK CABLE

(TIA/EIA-568-B.2 Standard)

Category 5e UTP



Part No.	Specification	Cond.	Type	Outer Dia.
500100	UTP Cat 5e, 24/4P Solid	24# BC	CMR PVC	0.195" (5.0mm)
500102	UTP Cat 5e, 24/4P Stranded	24# BC	CMR PVC	0.195" (5.0mm)
500104	UTP Cat 5e, 24/4P Solid	24# BC	LSZH	0.195" (5.0mm)
500106	UTP Cat 5e, 24/4P Stranded	24# BC	LSZH	0.195" (5.0mm)
500108	UTP Cat 5e, 24/4P Solid Outdoor waterproof	24# BC	PE	0.195" (5.0mm)
500110	UTP Cat 5e, 24/4P Stranded Outdoor waterproof	24# BC	PE	0.195" (5.0mm)

- Precision CAT5E Electrical Characteristics
- 24AWG Solid or Stranded Bare Copper Conductor with Rip Cord
- CCA conductor is available, which is economical type.
- 100MHz Bandwidth
- UL Rated for Permanent Installation
- Meets or Exceeds [TIA/EIA-568-B.2 Standards](#)
- LSZH is used for fireproof. PE is for outdoor used (Waterproof), [Double jacket](#) is available.
- Available in 1000FT (305M) Standard Box

Category 5e FTP



Part No.	Specification	Cond.	Type	Outer Dia.
510100	FTP Cat 5e, 24/4P Solid	24# BC	CMR	0.230" (5.8mm)
510102	FTP Cat 5e, 24/4P Stranded	24# BC	CMR	0.230" (5.8mm)
510104	FTP Cat 5e, 24/4P Solid	24# BC	LSZH	0.230" (5.8mm)
510110	FTP Cat 5e, 24/4P Solid Outdoor waterproof	24# BC	PE	0.230" (5.8mm)

Shielded: With Aluminum Foil and BC or TC Drain Wire.

[SFTP CAT5E](#) is also available on request.

Transmission Performance

Frequency (MHz)	Return Loss(dB)	Attenuation (dB/100mm)	NEXT	ACR (dB)	PSNEXT (dB)	ELFEXT (dB)	PSELFEXT (dB)	Delay (dB)
0.772	19.4	1.8	67.0	65	64.0	66.0	63.0	575.0
1	20.0	2.0	65.3	63	62.3	63.8	60.8	570.0
4	23.0	4.1	56.3	52	53.3	51.7	48.7	552.0
8	24.5	5.8	51.8	46	48.8	45.7	42.7	546.7
10	25.0	6.5	50.3	44	47.3	43.8	40.8	545.4
16	25.0	8.2	47.3	39	44.3	39.7	36.7	543.0
20	25.0	9.3	45.8	37	42.8	37.7	34.7	542.0
25	24.3	10.4	44.3	34	41.3	35.8	32.8	541.2
31.25	23.6	11.7	42.9	31	39.9	33.9	30.9	540.4
62.5	21.5	17.0	38.4	21	35.4	27.8	24.8	538.6
100	20.1	22.0	35.3	13	32.3	23.8	20.8	537.6

NETWORK CABLE

(TIA/EIA-568-B.2 Standard)

Category 6 UTP



Part No.	Specification	Cond.	Type	Outer Dia.
600201	UTP Cat 6, 23/4P Solid	23# BC	CMR PVC	0.240" (6.1mm)
600203	UTP Cat 6, 23/4P Solid	23# BC	LSZH	0.240" (6.1mm)
600205	UTP Cat 6, 23/4P Solid Outdoor waterproof	23# BC	PE	0.240" (6.1mm)

- Precision CAT6 Electrical Characteristics
- 23AWG Solid or Stranded Bare Copper Conductor with Rip Cord
- CCA conductor is available, which is economical type.
- 250MHz Bandwidth
- UL Rated for Permanent Installation
- Meets or Exceeds [TIA/EIA-568-B.2 Standards](#)
- LSZH is used for fireproof. PE is for outdoor used (Waterproof), **Double jacket** is available.
- Available in 1000FT (305M) Standard Box

Category 6 FTP



Part No.	Specification	Cond.	Type	Outer Dia.
610201	FTP Cat 6, 23/4P Solid	23# BC	CMR PVC	0.268" (6.8mm)
610203	FTP Cat 6, 23/4P Solid	23# BC	LSZH	0.268" (6.8mm)
610205	FTP Cat 6, 23/4P Solid Outdoor waterproof	23# BC	PE	0.268" (6.8mm)

Shielded: With Aluminum Foil and BC or TC Drain Wire.

Transmission Performance

Frequency (MHz)	Return Loss(dB)	Attenuation (dB/100mm)	NEXT	ACR (dB)	PSNEXT (dB)	ELFEXT (dB)	PSELFEXT (dB)	Delay (dB)
1	20.0	2.0	74.3	72	72.3	67.8	64.8	570.0
4	23.0	3.8	65.3	61	63.3	55.8	52.8	552.0
8	24.5	5.3	60.8	55	58.8	49.7	46.7	546.7
10	25.0	6.0	59.3	53	57.3	47.8	44.8	545.4
16	25.0	7.6	56.2	49	54.2	43.7	40.7	543.0
20	25.0	8.5	54.8	46	52.8	41.8	38.8	542.0
25	24.3	9.5	53.3	44	51.3	39.8	36.8	541.2
31.25	23.6	10.7	51.9	41	49.9	37.9	34.9	540.4
62.5	21.5	15.4	47.4	32	45.4	31.9	28.9	538.6
100	20.1	19.8	44.3	25	42.3	27.8	24.8	537.6
150	18.9	24.7	41.7	16.9	39.7	24.3	21.3	536.9
200	18.0	29.0	39.8	10.8	37.8	21.8	18.8	536.5
250	17.3	32.8	38.3	5.5	36.3	19.8	16.8	536.3

NETWORK CABLE

Category 3 UTP



Part No.	Specification	No. of Pairs	Outer Dia.
300100	UTP Cat 3, 24/2P Solid	2	0.140" (3.56mm)
300102	UTP Cat 3, 24/3P Solid	3	0.150" (3.81mm)
300104	UTP Cat 3, 24/4P Solid	4	0.180" (4.57mm)
300106	UTP Cat 3, 24/6P Solid	6	0.200" (5.08mm)
300108	UTP Cat 3, 24/12P Solid	12	0.320" (8.13mm)
300110	UTP Cat 3, 24/25P Solid	25	0.410" (10.41mm)

Cat 5e Combined Cables



Part No.	Specification	Conductor	Outer Dia.
CB9200	UTP Cat 5e, 24/4P Solid × 2	24# BC	0.185"×0.370"
CB9210	RG6 18CCS, 60% AL + Cat 5e, 24/4P	18# CCS 24# BC	0.290"×0.575"
CB9212	RG6 18BC, 60% AL + Cat 5e, 24/4P	18# BC 24# BC	0.290"×0.575"

CCTV COMBINED + UTP CABLE

CCTV + UTP



CCU22100	• 24/2P Solid BC (CAT5E Twisted) • 16/2 Str (19/0.0117") BC Power	24# BC 16# BC	0.185"×0.345"
CCU22102	• 24/2P Solid BC (CAT5E Twisted) • 18/2 Str (7/26#) BC Power	24# BC 18# BC	0.185"×0.375"
CCU42100	• 24/4P Solid BC (CAT5E Twisted) • 16/2 Str (19/0.0117") BC Power	24# BC 16# BC	0.203"×0.345"
CCU42102	• 24/4P Solid BC (CAT5E Twisted) • 18/2 Str (7/26#) BC Power	24# BC 18# BC	0.203"×0.375"

Other Combined Cable is available on request.

Other Materials (CCA and CCS) are available.

SPEAKER CABLE

Unshielded



Part No.	Specification	Conductor	Outer Dia.
SK1P12UR	12/1P Str BC (19/25#)	12# BC	0.256"
SK1P14UR	14/1P Str BC (19/27#)	14# BC	0.212"
SK1P16UR	16/1P Str BC (19/29#)	16# BC	0.180"
SK1P18UR	18/1P Str BC (7/26#)	18# BC	0.152"

Shielded



Part No.	Specification	Conductor	Drain Wire	Outer Dia.
SK1P12SR	12/1P Str BC (19/25#)	12# BC	16AWG (19/29#) TC	0.274"
SK1P14SR	14/1P Str BC (19/27#)	14# BC	18AWG (7/26#) TC	0.218"
SK1P16SR	16/1P Str BC (19/29#)	16# BC	20AWG (7/28#) TC	0.177"
SK1P18SR	18/1P Str BC (7/26#)	18# BC	22AWG (7/30#) TC	0.156"

Dual Zip



Part No.	Specification	Conductor	Outer Dia.
T02201	10/2 Str 99.97% OFC (413/36#)	10# OFC	0.225"×0.455"
T02202	12/2 Str 99.97% OFC (259/36#)	12# OFC	0.182"×0.370"
T02203	14/2 Str 99.97% OFC (105/34#)	14# OFC	0.157"×0.360"
T02204	16/2 Str 99.97% OFC (65/34#)	16# OFC	0.126"×0.266"



Part No.	Specification	Conductor	Outer Dia.
JY02201	22/2 Str 99.97% OFC+TC (7/30#)	22# OFC+TC	0.073"×0.156"
JY02202	18/2 Str 99.97% OFC+TC (16/30#)	18# OFC+TC	0.090"×0.200"
JY02203	16/2 Str 99.97% OFC+TC (26/30#)	16# OFC+TC	0.105"×0.230"
JY02204	14/2 Str 99.97% OFC+TC (41/30#)	14# OFC+TC	0.122"×0.264"
JY02205	12/2 Str 99.97% OFC+TC (65/30#)	12# OFC+TC	0.142"×0.304"

HI-FI STEREO CABLE



Part No.	Specification	Insulation Resistance	Operating Volt.	Outer Dia. (mm)
		MΩhm/KM	V a.c.	
HF250	2×0.50	200	250	2.40×4.80
HF275	2×0.75	200	250	2.50×5.00
HF210	2×1.00	200	250	2.60×5.20
HF215	2×1.50	200	250	2.70×5.60
HF225	2×2.50	200	250	3.50×7.00
HF240	2×4.00	200	250	4.60×9.20

FIRE ALARM CABLE

Unshielded



Part No.	Specification	Cond.	AWG	Outer Dia.
F75010	12/2 Solid BC	2	12	0.244"
F75020	12/4 Solid BC	4	12	0.288"
F75022	14/2 Solid BC	2	14	0.210"
F75024	14/4 Solid BC	4	14	0.248"
F75026	16/2 Solid BC	2	16	0.172"
F75028	16/4 Solid BC	4	16	0.202"
F75030	18/2 Solid BC	2	18	0.150"
F75032	18/4 Solid BC	4	18	0.175"
F75034	18/6 Solid BC	6	18	0.210"
F75036	22/2 Solid BC	2	22	0.121"
F75038	22/4 Solid BC	4	22	0.140"
F75040	22/6 Solid BC	6	22	0.168"

Shielded



Part No.	Specification	Cond.	AWG	Outer Dia.
F75100S	12/2 Solid BC	2	12	0.252"
F75102S	12/4 Solid BC	4	12	0.293"
F75104S	14/2 Solid BC	2	14	0.218"
F75106S	14/4 Solid BC	4	14	0.253"
F75108S	16/2 Solid BC	2	16	0.180"
F75120S	16/4 Solid BC	4	16	0.210"
F75122S	18/2 Solid BC	2	18	0.158"
F75124S	18/4 Solid BC	4	18	0.183"
F75126S	18/6 Solid BC	6	18	0.216"
F75128S	22/2 Solid BC	2	22	0.126"
F75130S	22/4 Solid BC	4	22	0.145"

· Stranded conductor is available.

· Premium-grade PVC Insulation & Jacket.

· Shielded: Tinned Copper Drain Wire with Polyester/Aluminum Foil, with ripcord.

Color Code Chart:

No. of Cond.	Color
1	Black
2	Red
3	Brown
4	Blue
5	Orange
6	Yellow

Applications:

- Wiring of fire alarm
- Smoke alarms
- Voice communications
- Burglar alarms
- Fire protective circuits
- Suggested voltage rating: 300V

ALARM & SECURITY CABLE

Unshielded



Part No.	Specification	Cond.	AWG	Outer Dia.
B40200	12/2 Str. BC (19/.0185")	2	12	0.260"
B40202	12/4 Str. BC (19/.0185")	4	12	0.307"
B40210	14/2 Str. BC (19/.0147")	2	14	0.224"
B40212	14/4 Str. BC (19/.0147")	4	14	0.264"
B40220	16/2 Str. BC (19/.0117")	2	16	0.178"
B40222	16/4 Str. BC (19/.0117")	4	16	0.209"
B40230	18/2 Str. BC (7/26)	2	18	0.156"
B40232	18/3 Str. BC (7/26)	3	18	0.166"
B40234	18/4 Str. BC (7/26)	4	18	0.187"
B40236	18/6 Str. BC (7/26)	6	18	0.225"
B40238	18/8 Str. BC (7/26)	8	18	0.245"
B40240	18/12 Str. BC (7/26)	12	18	0.291"
B40260	22/2 Str. BC (7/30)	2	22	0.122"
B40262	22/4 Str. BC (7/30)	4	22	0.156"
B40264	22/6 Str. BC (7/30)	6	22	0.164"
B40266	22/8 Str. BC (7/30)	8	22	0.180"
B40268	22/10 Str. BC (7/30)	10	22	0.212"
B40280	22/12 Str. BC (7/30)	12	22	0.219"

Applications:

- Power-limited control circuits
- Wiring of the following systems:
 - Intercom
 - Security
 - Audio
 - Background music
- Suggested voltage rating: 300V

Color Code Chart:

No. of Cond.	Color	No. of Cond.	Color
1	Black	7	Orange
2	Red	8	Yellow
3	White	9	Violet
4	Green	10	Gray
5	Brown	11	Pink
6	Blue	12	Tan

ALARM & SECURITY CABLE

Shielded



Part No.	Specification	Cond.	AWG	Outer Dia.
B60200S	12/2 Str. BC (19/.0185")	2	12	0.281"
B60202S	12/4 Str. BC (19/.0185")	4	12	0.312"
B60210S	14/2 Str. BC (19/.0147")	2	14	0.245"
B60212S	14/4 Str. BC (19/.0147")	4	14	0.269"
B60220S	16/2 Str. BC (19/.0117")	2	16	0.189"
B60222S	16/4 Str. BC (19/.0117")	4	16	0.219"
B60230S	18/2 Str. BC (7/26)	2	18	0.164"
B60232S	18/3 Str. BC (7/26)	3	18	0.172"
B60234S	18/4 Str. BC (7/26)	4	18	0.192"
B60236S	18/6 Str. BC (7/26)	6	18	0.230"
B60238S	18/8 Str. BC (7/26)	8	18	0.250"
B60240S	18/12 Str. BC (7/26)	12	18	0.296"
B60260S	22/2 Str. BC (7/30)	2	22	0.132"
B60262S	22/4 Str. BC (7/30)	4	22	0.147"
B60264S	22/6 Str. BC (7/30)	6	22	0.173"
B60266S	22/8 Str. BC (7/30)	8	22	0.195"
B60268S	22/10 Str. BC (7/30)	10	22	0.218"
B60280S	22/12 Str. BC (7/30)	12	22	0.225"

· Solid conductor is available.

· CCA conductor is available.

· Premium-grade PVC Insulation & Jacket.

· Shielded: Tinned Copper or Bare copper Drain Wire with Polyester/Aluminum Foil, with ripcord.

Color Code Chart:

No. of Cond.	Color	No. of Cond.	Color
1	Black	7	Orange
2	Red	8	Yellow
3	White	9	Violet
4	Green	10	Gray
5	Brown	11	Pink
6	Blue	12	Tan

ALARM & SECURITY CABLE (For European Standard)

MULTICONDUCTOR - FOIL SHIELDED AND UNSHIELDED RISER-RATED PVC



ALH PVC / LSOH - 300/300V

Part No.	Specification	Cond. (mm)	Insulation (mm)	Outer Dia. (MM)
P83210	2x0.22	7x0.20	0.23	3.3
P83220	4x0.22	7x0.20	0.23	3.5
P83222	6x0.22	7x0.20	0.23	4.2
P83224	8x0.22	7x0.20	0.23	4.6
P83226	10x0.22	7x0.20	0.23	5.2
P83228	12x0.22	7x0.20	0.30/0.23	5.4
P83230	2x0.22+2x0.50	7x0.20	0.30/0.23	4.1
P83232	4x0.22+2x0.50	7x0.20	0.30/0.23	4.4
P83234	6x0.22+2x0.50	7x0.20	0.30/0.23	5.2
P83236	8x0.22+2x0.50	7x0.20	0.30/0.23	5.4
P83238	10x0.22+2x0.50	7x0.20	0.30/0.23	5.8
P83240	12x0.22+2x0.50	7x0.20	0.30/0.23	5.9
P83242	14x0.22+2x0.50	7x0.20	0.30/0.23	6.3
P83244	16x0.22+2x0.50	7x0.20	0.30/0.23	6.6
P83246	20x0.22+2x0.50	7x0.20	0.30/0.23	7.1
P83248	2x0.22+2x0.75	7x0.20	0.35/0.23	4.8
P83250	4x0.22+2x0.75	7x0.20	0.35/0.23	5.0
P83252	6x0.22+2x0.75	7x0.20	0.35/0.23	5.4
P83254	8x0.22+2x0.75	7x0.20	0.35/0.23	5.8
P83256	10x0.22+2x0.75	7x0.20	0.35/0.23	6.2
P83258	12x0.22+2x0.75	7x0.20	0.35/0.23	6.4
P83260	14x0.22+2x0.75	7x0.20	0.35/0.23	6.6
P83262	20x0.22+2x0.75	7x0.20	0.35/0.23	7.8

Application:

Security and Alarm Systems, Intercom/Public Address Systems

Conductor:

Stranded CCA or Bare Copper or Tinned Copper

Insulation:

Color-Coded PVC

Shield:

Aluminum-Polyester Foil (100% Coverage)

Sheath:

White PVC

Standard Packing:

100M Roll

Temperature Range:

In motion -10°C till +70°C

*All items can be made with LSOH material which is fire-resistant.

*Other cable items with customer specification are available on demand.



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FIRE ALARM CABLE (For European Standard)

PVC Insulation, Multicores, Layers, Collective Screen

Part No.	Specification	Conductor Resistance Ohm/km	Test Volt. V c.c.	Operating Volt. V	Temperature Range °C
O90050	2x0.50	39	2500	250	-10 / +80
O90060	2x0.75	26	2500	250	-10 / +80
O90070	2x1.00	19.5	2500	250	-10 / +80
O90080	2x1.50	13.3	2500	250	-10 / +80
O90090	2x2.50	7.98	2500	250	-10 / +80

Application:

Communication and signaling in Fire alarm systems

Conductor:

Stranded Pure Red Copper



Insulation:

Polyvinylchloride rated

Shield:

Collective Screen of Aluminum/Polyester Foil

BC or TC Drain Wire wrapped by Polyester Tapes

Sheath:

Flame retardant polyvinylchloride
(RED Colour) or any other colors

Temperature range:

In motion -10°C till +80°C

Standard Packing:

Coils 100M or 500M

*Other cable items with customer specification are available on demand.

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FIRE RESISTANT / FIRE PROOF CABLE (BS Standard)

(According to IEC 60331 BS 6387 C W Z, BS7629 EN50200)

Application:

Fire fighting Alarm Systems in hazardous area where the safety is highly required during fire condition

These cables are produced to be able to work between **30 to 180 minutes** in fire situation.

Conductor:

Solid or Stranded Bare Copper

Insulation:

Special Silicon

Shield:

Aluminum Foil-Polyester Tape (100% Coverage)

Or Mica Tape (Fire resistant)

BC or TC Drain Wire wrapped by Polyester Tapes

Sheath:

Low Smoke Halogen Free

(White or Red Color)

Fire resistant property:

950°C according to IEC60331

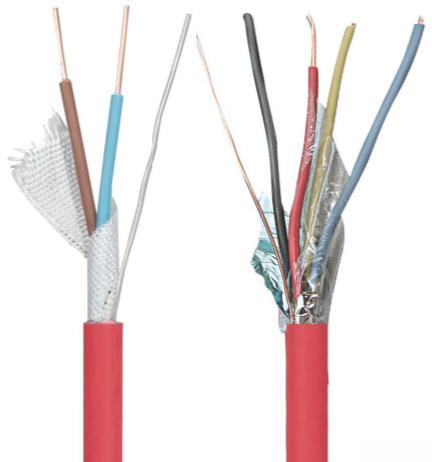
Standard Packing:

Coils 100M or 500M

Part No.	Specification	Max Electrical Resistance to 20° (Ohm/km)	Strand and Wire Diameter (mm)	Insulation Dia. (mm)	Outer Dia. (mm)
FR21000	2×1.00	18.01	1×1.13	2.6±0.1	8.2±0.2
FR31000	3×1.00	18.01	1×1.13	2.6±0.1	9.2±0.2
FR41000	4×1.00	18.01	1×1.13	2.6±0.1	10.2±0.2
FR21500	2×1.50	12.01	1×1.38	2.8±0.1	8.6±0.2
FR31500	3×1.50	12.01	1×1.38	2.8±0.1	9.6±0.2
FR41500	4×1.50	12.01	1×1.38	2.8±0.1	10.4±0.2
FR22500	2×2.50	7.41	1×1.78 or 7×0.67	3.4±0.1	10.6±0.2
FR32500	3×2.50	7.41	1×1.78 or 7×0.67	3.4±0.1	11.6±0.2
FR42500	4×2.50	7.41	1×1.78 or 7×0.67	3.4±0.1	12.6±0.2

*Other cable items with customer specification are available on demand.

*This cable is available from 0.5 to 10 sqmm and from 2 to 20 cores.



TELEPHONE CABLE

Application:

This cable is used for indoor installation and interconnection of Transmission, Telephone, Telegraph and Electronic Equipment.

Conductor:

Solid Plain /Tinned Copper

Insulation:

Solid Polyethylene

Sheath:

Polyvinylchloride as per IEC 189-2 and nylon rip cord is provided under the sheath for easy stripping

Common Electrical properties at 20°C

Conductor loop resistance: 67.9 Ohm/km

Insulation resistance min 500 Mohm×km

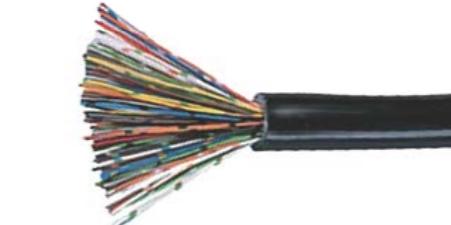
Operating capacity max. 120 nF/km

Operating Voltage: max. 150V

Temperature Range -10/ +80°C

Assembly (J-Y(ST)Y):

Cores are twisted into pairs and pairs are twisted together to form a cable core.



J-Y (ST) Y

J-Y(ST)Y

Laying Up: Twisted Pairs

Screen: Aluminum Backed Polyester Laminated Screen, in continuous contact with Copper Drain Wire.

J-YY

Laying Up: Star Quad

J-YY

Part No.	Specification	N of Star (Quad)	Outer Dia. (mm)
T95300	1×0.6	1	5.0
T95310	2×0.6	2	6.5
T95320	3×0.6	3	7.0
T95330	5×0.6	5	8.5
T95340	8×0.6	8	10
T95350	10×0.6	10	11
T95360	12×0.6	12	12
T95370	15×0.6	15	13.5
T95380	20×0.6	20	15.0
T95390	25×0.6	25	16.5
T95400	30×0.6	30	18.5
T95410	40×0.6	40	20.5
T95420	50×0.6	50	22.5

Part No.	Specification	N °of pairs	Outer Dia. (mm)
TT90010	1×2×0.6	1	5.0
TT90012	2×2×0.6	2	5.5
TT90014	3×2×0.6	3	6.3
TT90016	4×2×0.6	4	6.8
TT90018	5×2×0.6	5	7.2
TT90020	6×2×0.6	6	7.5
TT90022	8×2×0.6	8	8.0
TT90024	10×2×0.6	10	9.0
TT90026	12×2×0.6	12	9.5
TT90028	14×2×0.6	14	10.0
TT90030	16×2×0.6	16	10.5
TT90032	20×2×0.6	20	11.0
TT90034	24×2×0.6	24	11.5
TT90036	30×2×0.6	30	13.0
TT90038	40×2×0.6	40	15.0
TT90040	50×2×0.6	50	17.0
TT90042	100×2×0.6	100	23.0

*Outdoor used is available on request, such as waterproof, armored telephone cable etc.

ELECTRICAL & POWER CABLE

Conductor:

Flexible plain annealed copper

Insulation:

PVC

Sheath:

PVC

Voltage Rating:

300/500V

Standard Colours:

2 Cores: Blue & Brown

3 Cores: Blue, Brown & Green/Yellow



Normal Operating Temperature:

0°C(min) to 60°C(max)

4 Cores: Black, Blue, Brown & Green/Yellow

5 Cores: Black, Blue, Brown, Grey & Green/Yellow

Part No.	Specification	Resistance (Ohms/km)	Cond. (mm)	Cross Section (mm ²)	Outer Dia. (mm)
EC1015	1×1.5	-	30/0.25	1.9	5.9
EC1025	1×2.5	-	50/0.25	2.5	6.5
EC2005	2×0.5	39	16/0.2	0.5	6.2
EC2075	2×0.75	26	24/0.2	0.75	6.6
EC2010	2×1.0	19.5	32/0.2	1.0	6.9
EC2015	2×1.5	13.3	30/0.25	1.5	7.9
EC2025	2×2.5	7.98	50/0.25	2.5	9.5
EC3075	3×0.75	26	24/0.2	0.75	7.0
EC3010	3×1.0	19.5	32/0.2	1.0	7.4
EC3125	3×1.25	15.6	40/0.2	1.25	8.2
EC3015	3×1.5	13.3	30/0.25	1.5	8.6
EC3025	3×2.5	7.98	50/0.25	2.5	10.4
EC4075	4×0.75	26	24/0.2	0.75	7.6
EC4010	4×1.0	19.5	32/0.2	1.0	8.3
EC4015	4×1.5	13.3	30/0.25	1.5	9.6
EC4025	4×2.5	7.98	50/0.25	2.5	12.6
EC5015	5×1.5	-	30/0.25	1.5	11.8
EC5025	5×2.5	-	50/0.25	2.5	14.0

This product complies with BS6500 approval.

*Outdoor used is available on request, such as [waterproof, fire resistant](#) etc.

*[Rubber cable \(H05RN-F & H07RN-F\)](#) is also available on request.

H05RN-F Cable

H07RN-F Cable

CONTROL CABLE

Multi-Conductor - LOW CAP Computer Cable for EIA RS-485 Applications

Application:

This cable combines low capacitance insulation with one of the highest levels of screening to provide high speed, interference free, data transmission.

Conductor:

24AWG(7×32#) Tinned Copper

Insulation:

PE – Polyethylene (Twisted Pairs)



Shield:

Aluminum Foil-Polyester Tape (100% Coverage)

24AWG(7×32#) Tinned Copper Drain Wire

Tinned Copper Braid (90%)

Sheath:

PVC

Voltage Rating:

300V RMS

Normal Operating Temperature:

-30°C to 80°C

Part No.	Specification	Nos. of Pairs	Capacitance C/C	pF/m C/S	Outer Dia. (mm)
4850020	24/1P	1	42	76	5.8
4850023	24/2P	2	42	76	8.6
4850025	24/3P	3	42	76	9.2
4850027	24/4P	4	42	76	9.9

RS422 INDIVIDUAL & OVERALL SCREENED MULTIPAIR LOW CAP

Application:

This cable combines low capacitance insulation with very high levels of screening to provide high speed, interference free, data transmission.

Conductor:

24AWG(7×32#) Tinned Copper

Insulation:

FPE - Foam Polyethylene (Twisted Pairs)

Shield:

Each pair individually Aluminum/Polyester Foil screened with an overall Aluminum/Polyester Foil screen (100% Coverage), 24AWG(7×32#) Tinned Copper Drain Wire, Tinned Copper Braid (65%)

Sheath:

PVC

Voltage Rating:

300V RMS

Normal Operating Temperature:

-20°C to 60°C

CONTROL CABLE

Part No.	Specification	Nos. of Pairs	Capacitance C/C	pF/m C/S	Outer Dia. (mm)
422600	24/2P	2	41	72	8.7
422620	24/3P	3	41	72	9.1
422622	24/4P	4	41	72	9.8
422624	24/6P	6	41	72	11.3
422626	24/7P	7	41	72	11.3
422628	24/8P	8	41	72	12.0
422800	24/10P	10	41	72	15.0
422820	24/15P	15	41	72	17.0
422824	24/18P	18	41	72	17.5
422826	24/25P	25	41	72	21.0

Paired Foil & Braid 24AWG LOW CAP for EIA RS-232, RS-422

Application:

A range of high performance cables for use over extended distance at high data rates for RS232 and RS422 application. Also well suited to industrial measurement applications where low signal distortion is required.

Others: Shipboard, ABS, Digital Audio, Analog Audio, Low Capacitance, Low Cap, Instrumentation, Control, EIA RS-232, EIA RS-422

Conductor:

24AWG(7×32#) Tinned Copper

Insulation:

FPE - Foam Polyethylene (Twisted Pairs)



Shield:

Aluminum Foil-Polyester Tape (100% Coverage)

Tinned Copper Braid (65%)

24AWG(7×32#) Tinned Copper Drain Wire

Sheath:

PVC

Voltage Rating:

300V RMS

Normal Operating Temperature:

-20°C to 80°C

Part No.	Specification	Nos. of Pairs	Capacitance C/C	pF/m C/S	Outer Dia. (mm)
232002	24/2P	2	41	72	6.8
232003	24/3P	3	41	72	7.1
232004	24/4P	4	41	72	7.6
232005	24/5P	5	41	72	7.9
232006	24/6P	6	41	72	8.6
232007	24/7P	7	41	72	8.6
232008	24/8P	8	41	72	9.3
232010	24/10P	10	41	72	10.9

BNC EXTENSION CABLE



Part No.	Specification	Length	Connectors
R20005	75 OHMS Video Cable + 2 Cores Power Cable	5M	BNC+DC
R20010	75 OHMS Video Cable + 2 Cores Power Cable	10M	BNC+DC
R20020	75 OHMS Video Cable + 2 Cores Power Cable	20M	BNC+DC
R20030	75 OHMS Video Cable + 2 Cores Power Cable	30M	BNC+DC
R20040	75 OHMS Video Cable + 2 Cores Power Cable	40M	BNC+DC
R20050	75 OHMS Video Cable + 2 Cores Power Cable	50M	BNC+DC
RT10050	75 OHMS Video Cable + 2 Cores Power Cable	50FT	BNC+DC
RT10060	75 OHMS Video Cable + 2 Cores Power Cable	60FT	BNC+DC
RT10075	75 OHMS Video Cable + 2 Cores Power Cable	75FT	BNC+DC
RT100100	75 OHMS Video Cable + 2 Cores Power Cable	100FT	BNC+DC
RT100125	75 OHMS Video Cable + 2 Cores Power Cable	125FT	BNC+DC
RT100150	75 OHMS Video Cable + 2 Cores Power Cable	150FT	BNC+DC
RT100200	75 OHMS Video Cable + 2 Cores Power Cable	200FT	BNC+DC

Cable packing pictures

Professional, Reliable, Sincere

Trust LLT, Get Secure Life...

Any meters are available.

