

Underground Signalling Cables

Multi-Pair Armoured

LSZH-HFFR Sheath

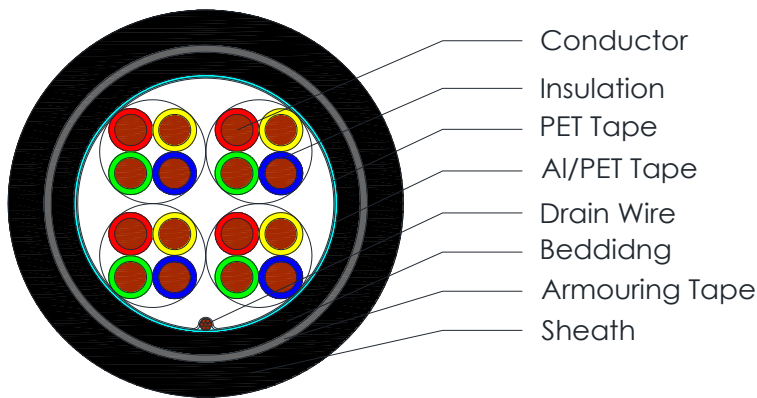


C5962, C5963, C5964, C5965, C5966, C5967

Applications

Halogen Free Cables for Remote controls and tele transmissions used in underground networks.

Cross Section Drawing



Design

Unit	Properties
Conductor	Plain copper wire
Insulation	Polyethylene
Twinning	Four cores twisted as a quad Color: Red, Yellow, Blue, Green For 1 and 4 pair cables, cores shall be twisted as a pair
Wrapping Tape	Polyester Tape
Screening	Aluminum/Polyester tape with Tinned copper drain wire
Bedding	Halogen Free Flame Retardancy (HFFR)
Armour	Galvanized Steel Tape
Outer Sheath Material	Halogen Free Flame Retardancy (HFFR) Standard Colour: Black
Standard Put Up Length	305M or 500M

*Other Colors, Put Up Lengths and structures can be manufactured upon request, please contact your local B3 International sales representative.

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Electrical Characteristics at 20°C

Conductor Diameter (mm)	Max. DCR (Ohm/km)	Max. Individual Mutual Capacitance (pF/m)		Max. Average Mutual Capacitance (pF/m) 20 and 28 pairs	Capacitance unbalance (pF/500m)				DC Dielectric Strength (1min) (V)	
		4 pairs cables	Other cables		K1 (Pair to Pair)		K9-12 (quad to quad)		Between conductors	Between conductors to screen
					Max. Average	Max. value (95% of measurements)	Max. Average	Max. value (95% of measurements)		
1.0	23.0	62	57.5	55	90	260	45	130	3000	1500

Arrangement of cable cores

Number of pairs in cables	Number of quads	
	1 st layer	2 nd layer
2	1	-
4	4pairs	-
8	4	-
14	1	6
20	2	8
28	4	10

Constructional Information

P/N	Number of Pairs	Conductor Diameter (mm)	Nom. Thickness of Bedding (mm)	Nom. Thickness of Jacket (mm)	Overall Diameter (mm)
C5962	2	1.0	1.0	1.0	12.0
C5963	4	1.0	1.0	1.2	17.5
C5964	8	1.0	1.0	1.4	20.5
C5965	14	1.0	1.0	1.4	23.5
C5966	20	1.0	1.0	1.6	25.0
C5967	28	1.0	1.0	1.6	29.0

Reference Standards

EN 50290-2	BS EN 60228
IEC 61034	RoHS directives
IEC 60754-1&-2	IEC60332-3-24, NFC 32070 C1&C2