

Multipair 1.0mm² ZUG-S Cable Type, 1 to 12pairs, LSZH-HFFR Sheath

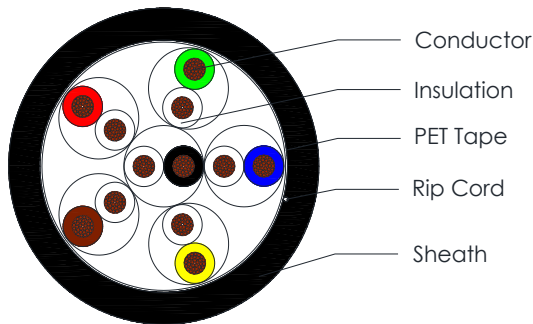


C5303, C5304, C5305, C5306

Applications

Railway Signal cables.

Cross Section Drawing



Design

Unit	Properties
Conductor	Flexible Tinned Copper wire, Class5
Insulation	HFFR For pairs under 12 Pair1: White + Black Pair2: White + Blue Pair3: White + Yellow Pair4: White + Brown Pair5: White + Red Pair6: White + Green For 12pairs. Centre 3pairs binding with tape Pair1: White + Black Pair2: White + Blue Pair3: White + Yellow Pair4: White + Black Pair5: White + Blue Pair6: White + Yellow Pair7: White + Red Pair8: White + Green Pair9: White + Blue Pair10: White + Yellow Pair11: White + Red Pair12: White + Green
Pair	Two wires are twisted to form a pair
Cable Wrapping	Plastic tapes with over-lapping
Rip cord	Nylon yarn
Sheath	Halogen Free Fire Retardancy (LSZH-HFFR) Standard colour: Black
Standard Put Up Length	305 meters

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

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Physical Characteristics

Part Number	C5303	C5304	C5305	C5306
No of Pairs	1	3	6	12
Nom. Conductor Construction(mm)	32 × 0.20			
Min. Thickness of Insulation(mm)	0.17			
Min. Average. Thickness of Insulation(mm)	0.30			
Max. Twisting lay of pairs(mm)	84 (20×D)			
Max. Lay length of cabling (mm)	84 (20×D)	144 (20×D)	196 (20×D)	262 (20×D)
Min. Thickness of Sheath(mm)	0.92			
Min. Average. Thickness of Sheath(mm)	1.20			
Max. average Overall Diameter(mm)	6.9	9.8	12.5	16.0
Min. Bending Radius(mm)	60	80	100	130
Nominal Cable Weight (kg/km)	65	130	210	350

Electrical Characteristics at 20°C

Part Number	C5303	C5304	C5305	C5306
No of Pairs	1	3	6	12
Nom. DC Resistance conductor (Ω/km)	18.1			
Voltage (Volts)	300/500			
Static operating temperature (°C)	-35 to 70			
Dynamic operating temperature (°C)	-10 to 60			

Reference Standards

(BS) EN 50290-2
IEC 60228
NFC 32-070 Category C2, C1
RoHS directives