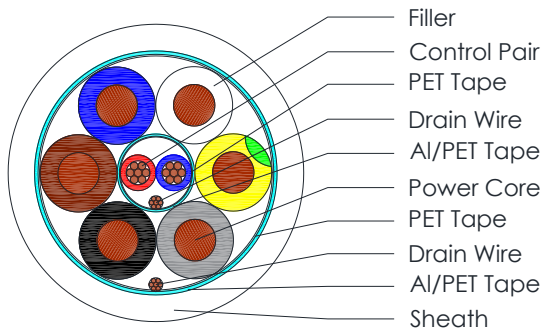


C14010, C14011, C15019, C15020

Applications

The cable may be used for fixed installation indoors and outdoors. When installing in the ground, the cable shall have an extra protection against mechanical stress. The cable have protection against exposure of UV-light.

Cross Section Drawing



Design

Component	Unit	Properties
Control Pair	Conductor	Bare stranded copper wire
	Insulation	Halogen-Free, Flame Retardant (HFFR/LSZH) or PVC Colour: Red, Blue
	Wrapping Tape	PET Tape
	Drain Wire	Tinned Copper Wire
	Screen	Al/PET Tape
Power Cores	Conductor	Bare solid copper wire
	Insulation	Halogen-Free, Flame Retardant (HFFR/LSZH) or PVC Colour: Green/Yellow, Blue, Brown, Black, Grey
	Filler	Color: Nature
Overall Wrapping		PET Tape
Drain Wire		Tinned Copper Wire
Overall Screen		Al/PET Tape
Sheath		UV resistant Halogen-Free, Flame Retardant (HFFR/LSZH) or PVC Standard Colour: White
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.

C14010, C14011, C15019, C15020

Physical Characteristics

PVC Part Number	C14010			C14011		
HFFR Part Number	C15019			C15020		
Type	5G1.50 + 2×0.75			5G2.50 + 2×0.75		
Component	Control	Power	Overall	Control	Power	Overall
Cross section (mm ²)	2×0.75	5G1.50	-	2×0.75	5G2.50	-
Nom. Conductor Size (mm)	7*0.37	1.38	-	7*0.37	1.78	-
Nom. Insulation thickness (mm)	0.80	0.80	-	0.80	0.80	-
Nom. Sheath thickness	-	-	1.40	-	-	1.50
Nom. Overall Diameter (mm)	-	-	14.6	-	-	15.6
Min. Bending radius (mm)	-	-	110	-	-	110
Nom. Cable Weight (kg/km)	-	-	240	-	-	300
Operating Temperature Range (°C)	-	-	-10 to +70	-	-	-10 to +70
Storage Temperature Range (°C)	-	-	-30 to +70	-	-	-30 to +70

Electrical Characteristics at 20°C

Conductor Size (mm ²)	Nom. Conductor Resistance (Ohm/km)	Rated Voltage (U0/U)Um (V)
0.75	24.5	450/750
1.50	12.1	450/750
2.50	7.41	450/750

Reference Standards

(BS) EN 50290-2
IEC 60228
IEC 60332-1, IEC 61034
IEC 60754-1 & 2
RoHS directives