

JE-H(S)H FE I 80/E30 to E90
0.80mm
HFFR Sheath

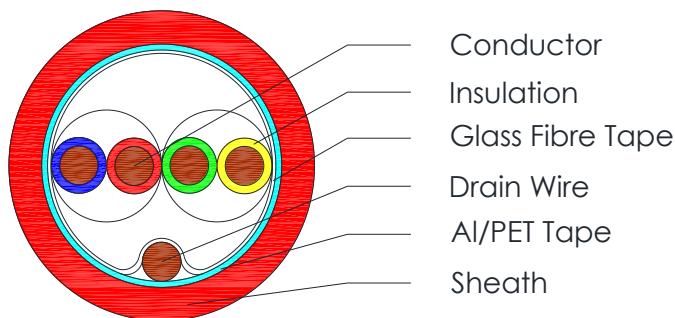


C15001 to C15018

Applications

Static screened installation cables for telecommunication purposes. The static screen prevents strong interference impulse. Suitable for fixed installation everywhere, where in case of fire human life and material assets are to be protected and a safety consciousness take a special significance, e. g. in industrial complexes, public buildings, hotels, airports, under ground railway networks, hospitals.

Cross Section Drawing



Design

Unit	Properties
Conductor	Solid Bare copper wire
Insulation	Cross-linked HFFR
Pair	Two cores twisted as a pair Pair1: Blue-Red Pair2: Green-Yellow Pair3: Green-Brown Pair4: White-Black
Unit	Each 4pairs consist to a unit
Number Tape	PET Tape with numbers
Overall Wrapping	Glass fibre tape
Drain Wire	Solid bare copper wire
Screen	Al/PET Tape
Outer Sheath Material	Halogen Free Fire Retardancy (HFFR) Standard Colour: Red
Standard Put Up Length	305m

*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

Max DC Resistance (Ohm/km)	Rated Temperature (°C)		Operating peak Voltage (V)	Test Voltage (V)		Min. Insulation Resistance (Mohm*km)	Mutual Capacitance (nF/km) at 800Hz	Capacitance Unbalance (pF/100m)
	Flexing	Fixed installation		Core to Core	Core to Screen			
73.2	-5 to +50	-30 to +70	225	500	2000	100	120	200

Constructional Information

Functionality E30

P/N	Construction (mm)	Overall Diameter (mm)	Nom. Copper Weight (kg/km)	Nom. Cable Weight (kg/km)
C15001	2×2×0.8	7.5	25	67
C15002	4×2×0.8	9.3	45	103
C15003	8×2×0.8	11.4	85	168
C15004	12×2×0.8	13.0	126	237
C15005	16×2×0.8	15.7	166	303
C15006	20×2×0.8	16.5	206	361
C15007	32×2×0.8	20.3	326	553
C15008	40×2×0.8	23.4	407	699
C15009	52×2×0.8	25.2	529	865

Functionality E30 to E90

P/N	Construction (mm)	Overall Diameter (mm)	Nom. Copper Weight (kg/km)	Nom. Cable Weight (kg/km)
C15010	2×2×0.8	7.4	25	74
C15011	4×2×0.8	10.8	45	127
C15012	8×2×0.8	16.9	85	300
C15013	12×2×0.8	18.5	126	336
C15014	16×2×0.8	20.1	166	426
C15015	20×2×0.8	22.2	206	529
C15016	32×2×0.8	29.1	326	859
C15017	40×2×0.8	34.2	407	1094
C15018	52×2×0.8	37.3	529	1280

Reference Standards

DIN VDE 0472 FE180	DIN 4102 Part 12 Min.30
IEC 60331	DIN 4102 Part 12 Min.90
IEC 61034	IEC 60754-2
RoHS directives	IEC60332-3