JE-H(St)H Bd FE 180/E 30 Orange, Fire Resistant, Halogen-free



Technical data

- Conductor: IEC 60228/DIN EN 60228/ EN 60228 Class 1, bare copper-conductor, single wire
- Insulation: Cross-Linked Special Polymer Compound
- Insulation Color: VDE 0815
- Wrapping: PES Tape
- Flame Barrier: Glass Fiber Tape
- Overall Screen: Tinned Copper Drain Wire (0,80mm Ø) + Al-PES Tape
- Outer Sheath: EN 50290-2-27 HFFR Compound
- Outer Sheath Color: RAL 2003 Orange
- Min. Bending Radius: 10 x D
- Operating Voltage: 300 V
- Test Voltage: 1000 V
- Temperature Range: -40°C ~+70°C (Fixed Laying)
- Flame Retardant Test : IEC 60332-1-2, DIN EN 60332-1-2, BS EN 60332-1-2, EN 60332-1-2
- Flame Propagation Test (CAT C): IEC 60332-3-24, DIN EN 60332-3-24, BS EN 60332-3-24, EN 60332-3-24
- Smoke Density Test: IEC 61034-2, VDE 0482-1034-2, EN 61034-2
- Corrosive Gas Test: IEC 60754-2, VDE 0482-754-1-2, EN 60754-2
- Halogen Free Test: IEC 60754-1, VDE 0482-754-2, EN 60754-2
- Circuit Integrity Test (FE180): IEC 60331-23
- Circuit Integrity with Shock Test (PH120): EN 50200; VDE 0482-200; BS EN 50200
- Cable System Circuit Integrity Test (E30): DIN 4102-12

Cable Marking: HELUKABEL PT JE-H(St)H… Bd FE180 E30 300V CE … mt

Application

Fire resistant, halogen-free, static screened installation cables for telecommunication purpose. 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, underground railway networks, hospitals.

CE = The product is conformed with the EC Low-Voltage Directive 2006/95/EC.

Part Number	Cross Section (mm2/mm)	Overall Diameter (mm)	Loop Resistance (Ω/Km)	Insulation Resistance (MΩxkm)	Mutual Capacity (nF/km)	Approx. Weight (kg/km)
713132	1x2x0.5mm² / 0.8mm	5,3±1,0	73.2	100	100	41
713133	2x2x0.5mm² / 0.8mm	6.0±1,0	73.2	100	100	59
18042032	4x2x0.5mm² / 0.8mm	8,7±1,0	73.2	100	100	108
18042146	2x2x1.0mm² / 1.13mm	7,1±1,0	44.6	100	100	85
18042031	1x2x1.5mm² / 1.38mm	7,3±1,0	24.6	100	100	77
18042030	2x2x1.5mm² / 1.38mm	8,3±1,0	24.6	100	100	121