

# JE-H(st)H BD FE180/E30-E90



## DESIGN

### Conductor

Solid Copper Wire (Class 1) acc. to EN 60228, IEC 60228

### Insulation

Cross-linked Elastomer Silicone acc. to EN 50363-1 EI2, Colour of Insulation acc. to VDE 0815

### Stranding

2 Pair Star Quad, more then 2 pairs groups in layers.

### Separator

PET (Polyester Tape), Glass Fibre Tape (Flame Barrier)

### Screen

0.80mm Tinned Drain Wire + AL/PET (Aluminium/Polyester Tape)

### Outer Sheath

LSZH (Low Smoke Zero Halogen) acc. to EN 50290-2-27, Orange



## APPLICATIONS

Instrumentation and control engineering, industrial electronics, computers and office machines, indoor communication systems, indoor sound systems, in places where human life and valuable materials and equipment need to be protected.

## TECHNICAL DATA

Test Voltage (Core-Core / Core Screen)	500 / 2000 V
Rated Voltage	225 V
Min. Bending Radius (During Laying)	10 x Diameter
CPR Fire Performance	B2ca-s1,d0,a3
Working Temperature (Mobile)	-5°C up to +50°C
Working Temperature (Stable)	-30°C up to +70°C
Applicable Standards	DIN VDE 0815, TS 13767
Flame Retardant Test (Bunched Cables)	EN IEC 60332-3-24 Cat. C
Smoke Density	EN 61034-2, IEC 61034-2
Determination of Halogen Acid Gas	EN 60754-1, IEC 60754-1
Determination of Acidity & Conductivity	EN 60754-2, IEC 60754-2
Circuit Integrity Test (FE180)	IEC 60331-21
Cable System Circuit Integrity Test (E30-E90)	Din 4102-12
Standards	RoHS, REACH, European Conformity, Eurasian Conformity

## DIMENSIONS

Part Number	Cross Section (mm <sup>2</sup> )	Insulation Thickness (mm)	Sheath Thickness (mm)	Outer Diameter (mm)	Weight (Kg/Km)	Max. Loop Resistance Conductor (Ω/Km) (20°C)	Insulation Resistance (MΩ/Km)	Mutual Capacitance (nF/Km)
E90-001	1x2x0.80+0.80	0.35	0.75	5.00	37	73.20	>100	120
E90-002	1x2x1.50+0.80	0.50	1.10	7.55	81	24.60	>100	120
E90-003	2x2x0.80+0.80	0.35	0.80	6.65	57	73.20	>100	120
E90-004	4x2x0.80+0.80	0.35	1.00	8.00	96	73.20	>100	120

\*\* The product and information presented in this document are for calculation only and subject to technical progress. Outer diameters are approximately \*\*