

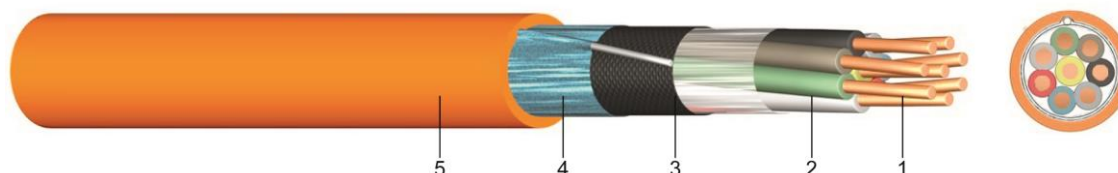


## JE-H(ST)H E90 ...Bd

## Halogen-Free and Flame Retardant Installation Cable for Industrial Electronics with Circuit Integrity of 90 Minutes

### Application:

Halogen-free telecommunication cables are intended for installation in dry and damp locations, as well as in and under plaster. Installation cables are not approved for high-current installation purposes and for underground installation. With isolation over at least 180 minutes and functional integrity over at least 90 minutes.



### Construction:

- 1 ..... solid bare copper 0,8 mm Ø
- 2 ..... core insulation of halogen-free, cross-linked and ceramizable polymer  
2 cores twisted to a pair and four twisted pairs in a bundle,  
bundle stranded in layers
- 3 ..... core covering with foil
- 4 ..... static screen of plastic coated metal foil with  
a solid tinned drain wire 0,8 mm
- 5 ..... outer sheath of halogen-free polymer (HM 2), orange

### Information:

These cables fulfil the conditions of the tests to insulation integrity according to DIN VDE 0472-814/ 8.83 about 180 min. and IEC Public. 331 first edition 1970 to circuit integrity about 30 min. to DIN 4102-12 according to VDE 0100-710 and 0100-718.

### Standards:

- DIN VDE 0815 (core identification)
- DIN EN 60228 class 1 (construction)
- DIN VDE 0207-24

### Technical data:

Peak operating voltage		[V]	225 Volt
Temperature range	in motion fixed		- 5°C till +50°C -30°C till +70°C
Bending radius	in motion	x diameter	7,5
Flammability	standard		EN 50226-2-4 EN 60332-1 IEC 60332-3 Kat.C
Insulation resistance	min.	[MΩ/km]	100
Mutal capacitance		[Ω/km]	73,2
	max.	[nF/km]	120
Capacitance unbalance 100m	max	[pF]	200

Number of pairs and nominal conductor diameter (mm)	from stock	Copper figure kg/km	Insulation thickness mm	Overall diameter appr.mm	Calorific potential kWh / m	Weight appr. kg / km
2 x 2 x 0,8	●	25	1,0	12,8	0,56	177
4 x 2 x 0,8	●	45	1,0	16,3	0,85	284
8 x 2 x 0,8	●	85	1,2	20,3	1,33	447
12 x 2 x 0,8	●	126	1,2	23,9	1,84	615
16 x 2 x 0,8	●	166	1,4	22,5	2,22	756
20 x 2 x 0,8	○	206	1,4	29,4	2,72	921