

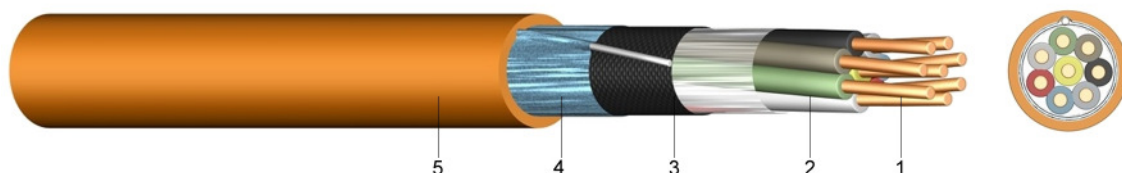
Datasheet JE-H(ST)H E30 ...Bd

Version 1/2009

Halogen-Free and Flame Retardant Installation Cable for Industrial Electronics with Circuit Integrity of 30 Minutes

Application:

These installation cables are suitable for fixed installations in telecommunication. They are to be used in locations with fire hazard and where insulation integrity of at least 180 minutes and circuit integrity of at least 30 minutes are required.



Construction:

- 1 solid bare copper
- 2 core insulation of halogen-free, similar ceramic polymer compound (HI 1), stranded to pairs
- 3 layer of plastic foil
- 4 static screen of plastic coated metal foil with a solid tinned drain wire 0,8mm
- 5 outer sheath of halogen-free polymer (HM 2), orange

Information:

These cables comply 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.

According to:

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 50266-2-4 EN 60332-1 IEC 60332-3 Kat.C
Insulation resistance	standard 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	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	6,6	0,13	86
4 x 2 x 0,8	45	1,0	8,8	0,20	138
8 x 2 x 0,8	85	1,2	12,8	0,34	220
12 x 2 x 0,8	126	1,2	13,5	0,39	298
20 x 2 x 0,8	206	1,4	16,1	0,53	465
32 x 2 x 0,8	340	1,4	20,6	0,85	704