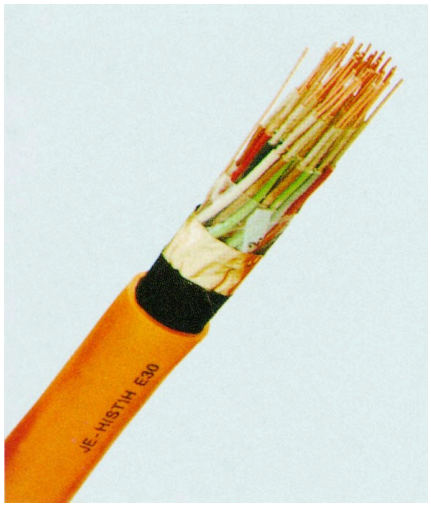
JE-H(ST)H ... Bd E 30

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

according to DIN VDE 0815 and DIN 4102-12



Construction

Solid bare copper conductors (diameter 0.8 mm), core insulation of a halogen-free elastomer compound, cores are stranded to pairs, 4 pairs are stranded to form bundles and the bundles are stranded in layers, bundles are identified by coloured plastic tapes, static screen of plastic coated metal foil with a solid tinned drain wire, wrapping with a protective foil, outer sheath of a halogen-free flame retardant polymer compound, orange.

Application

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

Temperature range

In motion	- 5°C till + 50°C
For fixed installation	- 30°C till + 70°C

Electrical properties at 20°C

Conductor loop resistance	max.	73,2 Ohm/km
Insulation resistance	min.	100 MOhm x km
Operating capacity	max.	120 nF/km
Attenuation at 800 Hz	ca.	1,2 dB/km
Capacitance coupling for 100 m	max.	200 pF

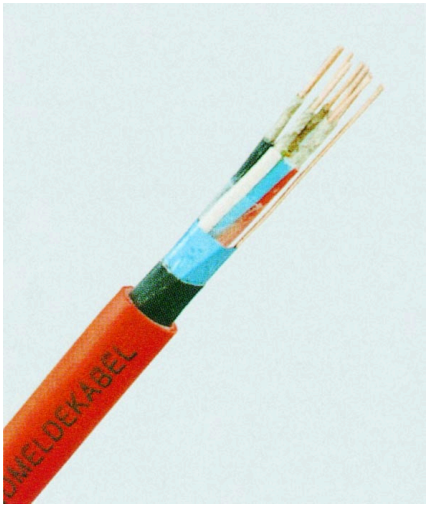
Number of pairs and nominal conductor diameter mm	Price EUR / km	Copper figure kg / km	Thickness of the outer sheath ca. mm	Overall diameter ca. mm	Weight ca. kg / km
JE-H(ST)H ... Bd E 30 225 V					
2 x 2 x 0,8	**6.306,15**	25	1,0	7,5	76
4 x 2 x 0,8	**10.472,39**	45	1,0	10,9	130
8 x 2 x 0,8	**16.948,98**	85	1,2	14,5	232
12 x 2 x 0,8	**23.479,61**	126	1,2	17,1	318
16 x 2 x 0,8	28.520,79	166	1,4	19,6	430
20 x 2 x 0,8	35.958,75	206	1,4	21,5	514

Remark: Insulation integrity under the impact of flames > 180 min. according to DIN VDE 0472-814 / 8.83
function integrity of electrical cable installations > 30 min. according to DIN 4102-12.
in compliance with VDE 0107 and 0108.

JB-H(ST)H ... Bd E 30

Halogen-Free and Flame Retardant Installation Cable for Fire Detection Circuits with Circuit Integrity of 30 Minutes

according to DIN VDE 0815 and DIN 4102-12



Construction

Solid bare copper conductors (diameter 0.8 mm), core insulation of a halogen-free elastomer compound, cores are stranded to pairs, 4 pairs are stranded to form bundles and the bundles are stranded in layers, bundles are identified by coloured plastic tapes, static screen of plastic coated metal foil with a solid tinned drain wire, wrapping with a protective foil, outer sheath of a halogen-free flame retardant polymer compound, red, with the marking 'BRANDMELDEKABEL' (fire alarm cable).

Application

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

Temperature range

In motion	- 5°C till + 50°C
For fixed installation	- 30°C till + 70°C

Electrical properties at 20°C

Conductor loop resistance	max.	73,2 Ohm/km
Insulation resistance	min.	100 MOhm x km
Operating capacity	max.	120 nF/km
Attenuation at 800 Hz	ca.	1,2 dB/km
Capacitance coupling for 100 m	max.	200 pF

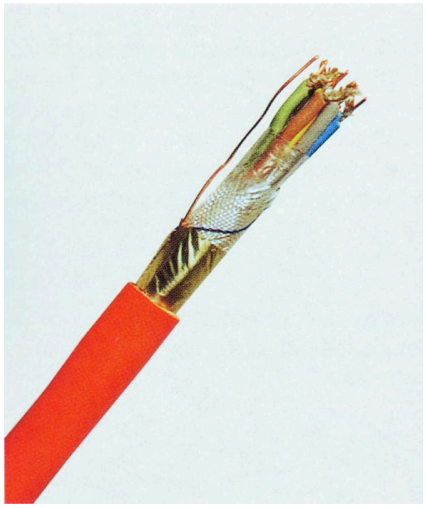
Number of pairs and nominal conductor diameter mm	Price EUR / km	Copper figure kg / km	Thickness of the outer sheath ca. mm	Overall diameter ca. mm	Weight ca. kg / km
JB-H(ST)H ... Bd E 30 225 V					
2 x 2 x 0,8	**6.306,15**	25	1,0	7,5	76
4 x 2 x 0,8	**10.472,39**	45	1,0	10,9	130
8 x 2 x 0,8	16.948,98	85	1,2	14,5	232
12 x 2 x 0,8	23.479,61	126	1,2	17,1	318
16 x 2 x 0,8	28.520,79	166	1,4	19,6	430
20 x 2 x 0,8	35.958,75	206	1,4	21,5	514

Remark: Insulation integrity under the impact of flames > 180 min. according to DIN VDE 0472-814 / 8.83 function integrity of electrical cable installations > 30 min. according to DIN 4102-12. in compliance with VDE 0107 and 0108.

JE-H(ST)H ... Bd E 90

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

according to DIN VDE 0815 and DIN 4102-12



Construction

Solid bare copper conductors (diameter 0.8 mm), core insulation of a halogen-free elastomer compound, cores are stranded to pairs, 4 pairs are stranded to form bundles and the bundles are stranded in layers, bundles are identified by coloured plastic tapes, static screen of plastic coated metal foil with a solid tinned drain wire, wrapping with a protective foil, outer sheath of a halogen-free flame retardant polymer compound, orange. It is also available in red with the marking 'BRANDMELDEKABEL' (fire alarm cable).

Application

These installation cables are suitable for fixed installations in telecommunication. They are to be used in locations with fire hazard and where an insulation integrity of at least 180 minutes and a circuit integrity of at least 90 minutes are required.

Temperature range

In motion	- 5°C till + 50°C
For fixed installation	- 30°C till + 70°C

Electrical properties at 20°C

Conductor loop resistance	max.	73,2 Ohm/km
Insulation resistance	min.	100 MOhm x km
Operating capacity	max.	120 nF/km
Attenuation at 800 Hz	ca.	1,2 dB/km
Capacitance coupling for 100 m	max.	200 pF

Number of pairs and nominal conductor diameter mm	Price EUR / km	Copper figure kg / km	Thickness of the outer sheath ca. mm	Overall diameter ca. mm	Weight ca. kg / km
JE-H(ST)H ... Bd E 90 225 V					
2 x 2 x 0,8	**7.791,87**	25	1,0	10,7	135
4 x 2 x 0,8	**12.938,62**	45	1,0	15,0	190
8 x 2 x 0,8	20.943,86	85	1,2	18,0	310
12 x 2 x 0,8	29.008,68	126	1,2	20,0	420
16 x 2 x 0,8	37.476,29	166	1,4	22,5	490
20 x 2 x 0,8	44.421,89	206	1,4	25,0	560
JB-H(ST)H ... Bd E 90 225 V					
2 x 2 x 0,8	7.791,87	25	1,0	10,7	135
4 x 2 x 0,8	12.938,62	45	1,0	15,0	190
8 x 2 x 0,8	20.943,86	85	1,2	18,0	310
12 x 2 x 0,8	29.008,68	126	1,2	20,0	420
16 x 2 x 0,8	37.476,29	166	1,4	22,5	490
20 x 2 x 0,8	44.421,89	206	1,4	25,0	560

Remark: Insulation integrity under the impact of flames > 180 min. according to DIN VDE 0472-814 / 8.83
function integrity of electrical cable installations > 90 min. according to DIN 4102-12.
in compliance with VDE 0107 and 0108.