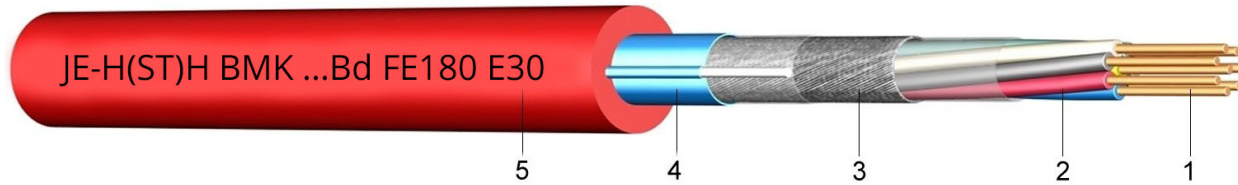




HALLEY CABLES

JE-H(ST)H BMK ...Bd FE180 E30

Halogen free, fire resistant, telecommunication cable with insulation integrity FE180 and circuit integrity E30.



Construction:

1. Conductor : solid copper 0,8 mm Ø.
2. Insulation : cross-linked halogen free ceramic formin polymer compound.
3. Inner covering
4. Screen : polyester-laminated alu tape with copper drain wire.
5. Outer sheath : halogen free polymer compound, red (BMK).
Stranding : 2 conductors form a pair, 4 pairs form a bundle and bundles are assembled in layers.

Properties:

- Fire resistant.
- Halogen free.
- Protection against external pulses.
- No corrosive gases emitted.
- Low development of smoke.

Technical data and tests:

- Peak operating voltage : 225 V.
- Test voltage : conductor/conductor and conductor/screen is 800 V at 50 Hz.
- Temperature range : fixed: -5° C till +50° C.
mobile: -30° C till +70° C.
- Bending radius : in motion is 7,5 x diameter.
- Laying temperature : -5° C...+50° C.
- Insulation resistance : min. 100 MOhm/km.
- Electrical resistance at 20°C : for a pair is 73,2 Ohm/km.
- Mutual capacitance : 73,2 Ohm/km.
max. 120 nF/km.
- Capacitance unbalanced : 100 m max. pF 200.
- Conductor colours : pair I: blue & red; pair II: gray & yellow; pair III: green & brown; pair IV: white & black.

Standards:

- Cable standard : DIN VDE 0815.
- Fire resistant : EN 50266-2-4, EN 60332-1, IEC 60332-3 cat. C.
- Conductor : DIN EN 60228 class 1.
- Insulation integrity : These cables comply with the conditions of the tests to insulation integrity according to DIN VDE 0472-814/ 8.83 about 180 min.
- Circuit integrity : These cables comply with the condition of the tests to circuit integrity according to IEC Public. 331 first edition 1970 to circuit integrity for about 30 min. to DIN 4102-12 according to VDE 0100-710 and 0100-718.

Applications:

These halogen free communication cables are intended for the installation in dry and moist areas, as well as in and under plaster. These installation cables are not accepted for power installation purposes and direct burial. They should 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.





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DIMENSIONS

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	61
4 x 2 x 0,8	45	1,0	8,8	0,20	104
8 x 2 x 0,8	85	1,2	12,8	0,34	218
12 x 2 x 0,8	126	1,2	13,5	0,39	235
20 x 2 x 0,8	206	1,4	16,1	0,53	367

Any other sizes available on request.

www.halleycables.com

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