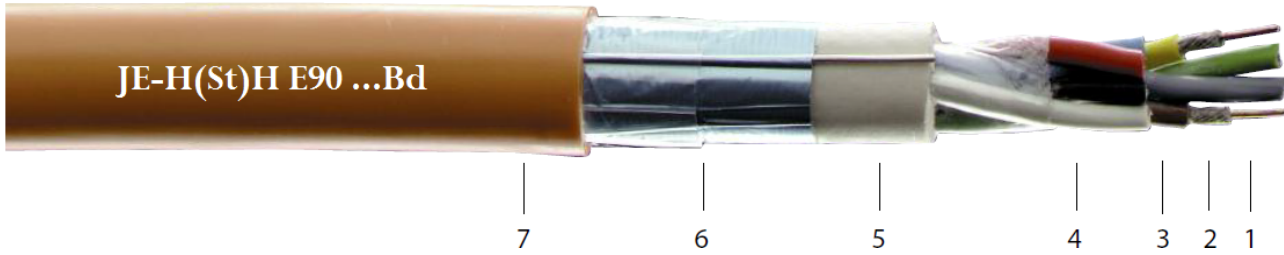




**HALLEY CABLES**

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

Halogen free and flame retardant installation cable for industrial electronics with circuit integrity of 90 min.



## Construction:

- |                        |   |
|------------------------|---|
| 1. Conductor           | : solid copper 0,8 mm Ø.  |
| 2. Protective wrapping | : Mica tape.  |
| 3. Insulation          | : cross-linked halogen free polymer compound.   |
| 4. Stranding           | : 2 conductors to form a pair, 4 pairs to form a bundle, bundles assembled in layers. |
| 5. Inner sheath        | : halogen free compound.  |
| 6. Screen              | : formed by polyester-laminated alu tape with copper drain wire 0,8 mm Ø.             |
| 7. Outer sheath        | : halogen free polymer compound orange, *red (BMK).                                   |

## 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.<br>mobile: -30° C till +70° C.  |
| Bending radius         | : in motion is 7,5 x diameter.  |
| Insulation resistance  | : min 100 MOhm/km.  |
| Electrical resistance  | : for a pair is 73,2 Ohm/km at 20°C.  |
| Mutual capacitance     | : max. 120 nF/km.   |
| Capacitance unbalanced | : max. 200 pF.  |
| Conductor colours      | : pair I: blue & red; pair II: grey & yellow; pair III: green & brown; pair IV: white & black. The individual bundles are identified by a numbered helix. |

## Standards:

- |                      |  |
|----------------------|--|
| Cable standard       | : DIN VDE 0815.  |
| Fire resistant       | : EN 50266-204, 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 90 min. to DIN 4102-12 according to VDE 0100-710 and 0100-718. |

## Applications:

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





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www.halleycables.com

## 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	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

Any other sizes available on request.

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