JE-H(St)H B2ca(s1,d1,a1) PS30,PS60,PS90



Halogen-free cables with circuit integrity in fire for duration of 60 or 90 min, acc. to STN EN 50399 for class of reaction on fire B2ca (\$1,d1,a1).





Application:

Signal cables with circuit integrity in fire for the duration of 60 or 90 min. according to STN 92 0205 (DIN 4102 Teil 12, ZP- 27/2008), with resistance to flame propagation according to STN EN 60332-3-... (STN EN 50266-2-...), halogen-free, with low density of smoke according to STN EN 61034-2 and low corrosivity of combustion gases according to STN EN 50267-2-3. Cables for class of reaction on fireB2ca (s1,d1,a1) according to STN EN 50399. Cables are functional in fire for time period 180 min. according to IEC 60331-23. These are used for fixed installation both in normal and moist environments (STN 33 2000-5-51). Cables can be used in the fire hazard conditions and can be installed on flammable material.

Cable construction:

• Number of pairs: 1-5

• Cable cores: copper conductor cl. 1

• Nominal diameter: 0,8 mm

• Insulation: mica-glass tape + cross-linked polyethylene or EPR and combinations

• Cores are stranded in pairs. 4 pairs are stranded in a unit. Units are stranded in layer.

halogen-free, flame-retarding filler is placed above the coiled cores

• Shield construction: PET tape + AIPET tape with CuSn wire

• Sheath cable: halogen-free, flame-retardant material

• Colour of sheath: red

Technical data:

Nominal voltage: 225 VTest voltage: 500 V

• Effective resistance of conductor, max.: $36,0~\Omega/km$

Insulation resistance, min.: 100 MΩ.km

 Mutual capacitance (at 800 Hz), max.: 120 nF/km* (* the value can exceed of 20% by cables up to 4-pairs)

• Max. admissible conductor temperature: +70 °C

• Operating temperature: -40 °C to +70 °C

• Min. temperature for laying: -5 °C

• Min. bending radius: 15 x cable diameter

Marking:

Colour coded acc. to VDE 0815.

Pair	air 1		2		3		4	
Core	a	Ь	a	Ь	a	Ь	a	b
Colour	blue	red	grey	yellow	green	brown	white	black

Groups are distinguished by identify tape.

2-pair cable as X-shape:

1 in pair a-conductor blue b-conductor red
2 in pair a-conductor grey b-conductor yellow

Conductor colour in 5-pair cable: a-purple, b-orange