



## Cables for Intrusion Detection and Fire Systems

### Cabo JE-H (St) H FE180 E30/E90

#### Overview

Fire resistant cable for signal transmission within measurement systems, data and control. Engineering according to DIN 4102 Part 12. Suitable for fixed installation in dry or humid environments.

#### TECNICAL DATA

##### Standards

DIN VDE 0815

##### Conductor

Solid bare copper (IEC/EN60228, BS 6360, VDE 0295, HD 383)

##### Insulation

Cross linked silicone insulation BS EN 50363.1; HD22.1S4 (E12)

##### Core Identification

Pair 1 – Blue + Red  
Pair2 – Grey + Yellow  
Pair 3 – Green + Brown  
Pair 4 – White + Black  
(2 Pairs laid up as a star quad)

##### Strapping

Polyester tape

##### Shield

Aluminum/Polyester tape, coverage 100%

##### Drain Wire

Solid tinned copper 0.80mm

##### Outer Sheath

HFFR, EN 50290-2, VDE 0207 HM2, BS 7655 LTS1 / LTS3

##### Printing

"Manufacturer" JE-H (St) H FE180 E30/E90 (no. pairs) x (cross section mm<sup>2</sup>) (length mt) (year of manufacture) CE

##### Color

Orange (RAL 2004)

##### Operating Temperature

-30°C to +90°C

##### Tests

Self-extinguishing and flame retardant according to IEC 60332-1  
Fire retardant IEC 60332-3  
Halogen free IEC 60754-1  
Non-corrosive gas IEC 60754-2  
Low smoke emission IEC 61034  
Circuit Integrity IEC 60331-21

##### Operating Voltage

300V

##### Test Voltage

800V

##### Min. Bending Radius

7.5xØ

**Table:** No. Pairs, diameter and weight for each cable of intrusion detection and fire system type JE-H (St) H FE180 E30/E90.

No. Pairs x cross sec.[mm]	Ø Outer [mm]	Weight [kg/km]
1x2x0.8	4.90	35
2x2x0.8	5.45	55
4x2x0.8	8.00	95