



## Installation cable in accordance with DIN VDE 0815 with red outer sheath

The cable is marked with the phrase “Fire alarm cable” at regular intervals on the sheath. It is therefore used especially for installation in fire alarm systems; Aluminium-laminated plastic foil static screen with tin-plated drain wire minimises the interference of high frequency, electromagnetic fields; Decoupling of circuits by means of twisted-pair (TP) design (crosstalk effects)



## Product description

### Application range

- This installation cable is used to transmit signals.
- For fixed installation on and under plaster, in dry and damp rooms
- For outdoor use this cable should be installed under plaster only

### Benefits

- The cable is marked with the phrase “Fire alarm cable” at regular intervals on the sheath. It is therefore used especially for installation in fire alarm systems.
- Aluminium-laminated plastic foil static screen with tin-plated drain wire minimises the interference of high frequency, electromagnetic fields
- Decoupling of circuits by means of twisted-pair (TP) design (crosstalk effects)

## Product Make-up

- Solid bare copper conductor
- Core insulation made of PVC
- Cores twisted in pairs,  
pairs twisted together,  
foil wrapping over cable core,  
static screen made of aluminium-laminated plastic film with copper drain wire
- Outer sheath made of PVC  
Outer sheath colour: flame red (RAL 3000)

## Norm references / Approvals

- Based on DIN VDE 0815  
type J-Y(ST)Y...LG

## Product features

- The 2-pair version (2x2x0.8) is twisted into a star quad
- Flame-retardant according IEC 60332-1-2

## Technical Data

Core identification code	according to VDE 0815, refer to Appendix T10
Peak operating voltage	(not for power applications) 300 V
Classification	ETIM 5.0 Class-ID: EC000829 ETIM 5.0 Class-Description: Control cable
Coupling	(800 Hz): K1: 80% ? 300 pF/100m
Conductor cross-section in	0.8 mm: 0.50 mm <sup>2</sup>
Cable attenuation/attenuation	0.8 mm: 1.1 dB/km
Minimum bending radius	Fixed installation: 10 x outer diameter
Test voltage	Core/core: 800 V Core/screen: 800 V
Loop resistance	max. 73.2 Ohm/km
Temperature range	Occasional flexing: -5°C to +50°C Fixed installation: -30°C to +70°C