



**Nexans Ref.:** 37152241-902-02  
**Country Ref.:** 4838143  
**EAN 13:** 7330000082618

**FIRE PERFORMANCE CLASS**



Dca-s2,d2,a2

Telecom indoor and outdoor installation HFFR-LS cable with a screen intended for use in phone and control plants.

**STANDARDS**

**Product** Nexans specification

**Test** IEC 60332-1; IEC 60754-2; IEC 61034-2

**DESCRIPTION**

**CONSTRUCTION**

Polyethylene-insulated, screened electronic and signalling cable with halogen free, flame retardant sheath. The cable is used as a signalling cable in systems for alarm transmission when screen is required. Is intended for fixed installation indoors and outdoors but not in ground or water. The cable has protection against exposure of UV-light. Fire performance according to CPR class Dca-s2,d2,a2.

**QUALITY AND ENVIRONMENTAL SYSTEM**

Construction, production and testing are made according to ISO 9001 and 14001.



Conductor flexibility  
Solid class 1



Halogen free  
Yes



Ambient installation T°C range  
-10 ... 40 °C



Bending factor when laying  
8 (xD)



Operating temp.  
-40 ... 70 °C

## CHARACTERISTICS

### Construction characteristics

Sheath colour	White
Conductor flexibility	Solid class 1
Conductor material	Tinned annealed copper
Drain wire	Tinned copper
Halogen free	Yes
Insulation	PE
Material of bedding	PETP-foil
Outer sheath	LSZH
Screen	Aluminium tape
Twisted	Yes

### Dimensional characteristics

Number of pairs	2
Nominal outer diameter	5.3 mm
Average insulation thickness	0.2 mm
Average sheath thickness	0.65 mm
Approximate weight	31 kg/km
Conductor diameter	0.6 mm

### Electrical characteristics

Max. capacity pair / core to core	75 nF/km
Nominal resistance of the conductor	61.00 Ohm/km
Operating Voltage Vo DC	75 V
Operating voltage Vo AC	50 V

### Usage characteristics

Length	100 m
Packaging	Reel
Ambient installation temperature, range	-10 ... 40 °C
Bending factor when laying	8 (xD)
Operating temperature, range	-40 ... 70 °C

## SELLING AND DELIVERY INFORMATION

PTS-HF is delivered in reels of 100 m and drums of 500 m.