

### APPLICATION

Instrumentation and control engineering, industrial electronics, computers and office machines, indoor communication systems, indoor sound systems, in places where human life and valuable materials and equipment need to be protected.



Total number of cores x Nominal cross section (mm<sup>2</sup>)

1x2x0,80+0,80

Applicable Standard

Ref. to DIN VDE 0815, TS 13767

### 1 CONDUCTOR

Applicable standard

IEC 60228

Material of conductor

Class 1 solid copper wire

### 2 INSULATION

Material of insulation

Cross-linked elastomer silicone BS EN 50363-1/HD 22.1 S4 EI2

Thickness of insulation (mm)

0,35

Identification of cores

acc.to VDE 0815 (Blue-Red)

### STRANDING

Lay up

2 pair star quad, more than 2 pairs groups in layers

### 3 SEPARATOR

Material of separator

PET (Polyester tape)

Flame barrier

Glass fibre tape

### 4 SCREEN

Screen type

AL/PET (Aluminium/polyester tape) with tinned copper drain wire

### 5 OUTER SHEATH

Material of outer sheath

HFFR (Halogen free flame retardant) EN 50290-2-27/VDE 0207 HM2)

Average thickness of outer sheath (mm)

0,75

Overall cable diameter (mm) approx

5,00

Colour of outer sheath

ORANGE

### TECHNICAL DATA

Maximum loop resistance of the conductor at 20 °C

73,20 ohm/km

Operating voltage

225 V

Test voltage

2000 V

Insulation resistance

>100 MΩ.km

Mutual capacitance

100 nF/km

Capacitance unbalance

300 pF/100m

Weight of cable (approx)

37 kg/km

### TECHNICAL SPECIFICATIONS

Min. Bending radius during laying (mm)

10xCable Ø

Flame propagation test on single cable

EN 60332-1-2, IEC 60332-1-2, NF C32-078-1-2

Flame retardant test of bunched cables

EN IEC 60332-3-24 Cat. C

Smoke density

EN 61034-2, IEC 61034-2, NF C32-073-2

Determination of the amount of halogen acid gas

EN 60754-1, IEC 60754-1

Determination of acidity and conductivity

EN 60754-2, IEC 60754-2

Circuit integrity test FE180

IEC 60331-21

Functional integrity E30-E90

DIN 4102-12



-5 / +50 °C  
Working  
temperature  
(Mobile)



-30 / +70 °C  
Working  
temperature  
(Stable)



Halogen free



IEC 60331-21  
Circuit integrity  
test standard



EN/IEC 60332-1-2  
EN IEC 60332-3-24  
flame test standard



Rohs  
compliance



Reach  
compliance



European  
conformity



Eurasian  
conformity