

# FLQQBR

FLQQBR 2x1,5+2x2x0,5

## Contact

Sales Telecom and Data cables  
Phone: +46 325 80 000  
telecomcable-pc.se@nexans.com

Nexans ref.: 17030641

Country ref.: 4895422

GTIN: 733000008254

Combined power supply and signalling cable

## DESCRIPTION

### Design

Combined power supply and signalling cable. The power supply conductors have a copper wire strand, 1.0 or 1.5 mm<sup>2</sup> and insulation of halogen free, flame retardant plastic compound. The signalling conductors have a copper wire strand, 0.5 or 0.22 mm<sup>2</sup>, insulation of solid polyethylene and are twisted to pairs. The cable has a sheath of halogen free, flame retardant plastic compound and is intended for fixed installation indoors. Fire performance according to CPR class D<sub>ca</sub>s<sub>2</sub>d<sub>2</sub>a<sub>2</sub>. The cable emits no corrosive gases and has low smoke production during fire. The cable is intended for use in passage control systems.

### Quality and environmental management system

Certified according to ISO 9001, IRIS, ISO/TS 16949 and ISO 14001.



## DECLARATION OF PERFORMANCE

Reaction to fire: D<sub>ca</sub>-s<sub>2</sub>,d<sub>2</sub>,a<sub>2</sub>  
according to EN50575:2014  
+A1:2016



Reaction to fire  
D<sub>ca</sub>-s<sub>2</sub>,d<sub>2</sub>,a<sub>2</sub>



Halogen free  
Yes



Operation bending rad.  
70 mm



Ambient installation T°C range  
-10 .. 50 °C



Operating temp.  
-15 .. 70 °C

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## CHARACTERISTICS

### Construction characteristics

Screen	No
Outer sheath	HFFR (polyolefin)
Colour	White
Halogen free	Yes
Type of conductor	Stranded flexible

### Dimensional characteristics

Nominal outer diameter	9.2 mm
Approximate weight	10.1 kg/100m

### Usage characteristics

Packaging	Spool 100m
Laying operation bending radius	70 mm
Ambient installation temperature, range	-10 .. 50 °C
Operating temperature, range	-15 .. 70 °C

## ELECTRICAL AND OTHER CHARACTERISTICS

Design- element	Conductor		Insulation	Resistance	Capacitance	Insul.resistance
	Material	Numberxdiameter		ohm/km	nF/km	Mohmxkm
Core 1.5 mm <sup>2</sup>	Plain Cu	7x0.5	HFFR	max 12.1	-	min 500
Core 1.0 mm <sup>2</sup>	Tinned Cu	7x0.4	HFFR	max 20.2	-	min 500
Pair 0.5 mm <sup>2</sup>	Plain Cu	7x0.3	PE	max 39.2	max 65	min 5000
Pair 0.22 mm <sup>2</sup>	Plain Cu	7x0.2	PE	max 90.0	max 65	min 5000