

Sondertypen / Special Manufacturing

FQAR-PG 150/250V

Halogenfreies Kabel zur Übertragung von Signalen, geschirmt
Halogen-free, screened signal cable

Verwendung:

for fixed installation indoors and outdoors for control and signaling functions
in power electrical applications
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Aufbau:

- 0,5mm²: tinned copper stranded, IEC 60228, Class 2 (7x0,30mm)
 - 1,0mm²: tinned copper stranded, IEC 60228, Class 2 (7x0,43mm)
 - halogen free Polyolefin
 - cores twisted together to form pairs, pairs shall be laid up in concentric layers to form a round cable
 - aluminium backed polyester tape with tinned copper drain wire
 - sheath: special halogen free, flame retardant accc IEC 60332-3, thermoplastic compound, UV resistant
- Crosstalk attenuation at 1kHz (min): 100 dB
Near-end crosstalk NEXT at 100kHz (min): 60 dB
Transfer impedance:
- at 10kHz (max) 100m0hm/m
- at 10MHz (max): 1000m0hm/m

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Technische Daten:

Leiter Werkstoff	0,5mm ² : tinned copper stranded, IEC 60228, Class 2 (7x0,30mm) 1,0mm ² : tinned copper stranded, IEC 60228, Class 2 (7x0,43mm)
Leiterklasse	
Aderisolationwerkstoff	halogenfreies Polyolefin
Aderkennung	schwarz, nummeriert
Verseilung	
Außenmantelwerkstoff	special halogen free, flame retardant accc IEC 60332-3, thermoplastic compound, UV resistant
Mantelfarbe	hellgrau
Nennspannung [V]	150/250
Prüfspannung [V]	1,4kV AC 1min
Leiterwiderstand	0,5mm ² 40,40hm/km ; 1,0mm ² 20,20hm/km
Isolationswiderstand	2GΩ x km
Strombelastbarkeit	
kleinster Biegeradius fest [xd]	12
kleinster Biegeradius bewegt [xd]	
Betriebstemp. fest min/max [C]	-20° bis +70°
Betriebstemp. bew. min/mac [C]	- 40° bis +70°
Temperatur am Leiter max.	
Brandverhalten	EN-60332-1
Normen	

Technical Data:

Conductor Material	0,5mm ² : tinned copper stranded, IEC 60228, Class 2 (7x0,30mm) 1,0mm ² : tinned copper stranded, IEC 60228, Class 2 (7x0,43mm)
Conductor class	*
core insulation	halogen free polyolefin
core identification	black numbered
stranding	*
outer sheath	special halogen free, flame retardant accc IEC 60332-3, thermoplastic compound, UV resistant
sheath colour	light grey
rated voltage [V]	150/250
testing voltage [V]	1,4kV AC 1min
conductor resistance	0,5mm ² 40,40hm/km ; 1,0mm ² 20,20hm/km
insulation resistance	2GΩ x km
current carrying capacity	*
min. bending radius fixed [xd]	12
min. bending radius moved [xd]	*
working temp fixed min/max [C]	-20°C up to +70°
working temp moved min/mac [C]	-40°C up to +70°
temp at conductor max.	*
burning behaviour	EN-60332-1
Approvals	*

Kontakt:

Kabel / Cable

Art Nr. Part No.	Adern x Querschnitt no. of cores x cross section	Außen Ø ca. mm outer Ø ca. mm	CU Gewicht kg/100m copper weight kg/100m	Gewicht kg/100m weight kg/100m
	2 x 0.5	7.0	1.92	4.30
	2 x 1	7.0	2.88	6.20
	2 x 2x0.5	6.0	2.88	7.30
	2 x 2x1	9.7	4.80	9.80
	3 x 1	7.5	3.84	8.00
	4 x 2x0.5	10.5	4.80	11.50
	4 x 2x1	12.3	8.64	16.00
	8 x 2x1	16.5	16.32	31.00

Kontakt: