

Sondertypen / Special Manufacturing

Flex-CH POWER 0,6/1kV

Halogenfreie Steuerleitung Kupfer geschirmt,
Halogen-free control cable copper screened,



Verwendung:

Environmentally friendly, Halogen-free, flame retardant power supply and control cable especially in industrial and /or EMC-critical environments. For fixed installation as well as for flexible application at free, non-continuously recurring movement.
[INDEX:20201001SQ]

Aufbau:

- Feindrähtige Litze aus blanken CU-Drähten
- Adern schwarz mit fortlaufendem weißem Zahlenaufdruck
- Aderisolation: halogenfreie Mischung
- Litzenaufbau gem. VDE 0295, Klasse 5
- Schutzleiter grün/gelb
- Lagenverseilung
- Kupferabschirmgeflecht 85%
- Außenmantel: halogenfreie Mischung schwarz

Technische Daten:

Leiter Werkstoff	Kupfer, blank
Leiterklasse	Klasse 5 nach DIN VDE 0295, bzw. IEC 60228
Aderisolationwerkstoff	Halogenfreie Mischung
Aderkennung	Nach DIN VDE 0293: Schwarze Adern mit fortlaufendem weißen Zahlenaufdruck
Verseilung	Adern in Lagen verseilt
Außenmantelwerkstoff	Halogenfreie Mischung
Mantelfarbe	schwarz
Nennspannung [V]	600/1000
Prüfspannung [V]	6000
Leiterwiderstand	
Isolationswiderstand	
Strombelastbarkeit	DIN VDE (s. technischer Anhang)
kleinster Biegeradius fest [xd]	6 x d
kleinster Biegeradius bewegt [xd]	20 x d
Betriebstemp. fest min/max [C]	-40°C bis +80°C
Betriebstemp. bew. min/mac [C]	-15°C bis +70°C
Temperatur am Leiter max.	
Brandverhalten	self-extinguishing, flame resistant
Normen	Self-extinguish according to test method B IEC 60332-1 Flame-resistant according to IEC 60 332.3-24 Halogen-free according to IEC 60754-1 (amount of halogen acid gas) Corrosiveness of combustion gases according to IEC 60754-2 (degree of acidity) Low smoke density according to IEC 61034 UV and weather-resistant according to ISO 4892-2

Application:

Environmentally friendly, Halogen-free, flame retardant power supply and control cable especially in industrial and /or EMC-critical environments. For fixed installation as well as for flexible application at free, non-continuously recurring movement.
[INDEX:20201001SQ]

Construction:

- fine strands of bare copper conductor
- cores black with continuous white figure imprint
- core insulation: halogen-free compound
- stranding acc. to VDE 0295 class 5
- earth conductor green/yellow
- cores twisted in layers
- copper screen braiding of tinned copper wires 85% coverage
- outer sheath: halogen-free compound black

Technical Data:

Conductor Material	copper, bare
Conductor class	Class 5 according VDE 0295 resp IEC 60228
core insulation	Halogen-free compound
core identification	Acc. to DIN VDE 0293: Black cores with consecutive white numerals
stranding	Cores twisted in layers
outer sheath	Halogen-free compound
sheath colour	black
rated voltage [V]	600/1000
testing voltage [V]	6000
conductor resistance	
insulation resistance	
current carrying capacity	DIN VDE (s. technical guidelines)
min. bending radius fixed [xd]	6 x d
min. bending radius moved [xd]	20 x d
working temp fixed min/max [C]	-40°C up to +80°C
working temp moved min/mac [C]	-15°C up to +70°C
temp at conductor max.	
burning behaviour	self-extinguishing, flame resistant
Approvals	Self-extinguish according to test method B IEC 60332-1 Flame-resistant according to IEC 60 332.3-24 Halogen-free according to IEC 60754-1 (amount of halogen acid gas) Corrosiveness of combustion gases according to IEC 60754-2 (degree of acidity) Low smoke density according to IEC 61034 UV and weather-resistant according to ISO 4892-2

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 1	7.90	3.75	8.90
	3 x 1	8.30	5.01	10.90
	3 x 1.5	9.40	6.76	13.90
	4 x 1	8.90	4.28	13.10
	4 x 1.5	10.10	8.51	17.00
	5 x 1	9.70	7.55	15.60
	7 x 1	10.40	9.47	18.50
	12 x 1	13.40	15.64	29.40
	12 x 1.5	15.80	23.80	42.20
	18 x 1	15.90	23.79	43.30

Kontakt: