Halogen-free data cables · shielded

HALOGENFLEX D(C)PUR

Application
- Ideal for all application locations in which the release of halogens in the event of fire is to be avoided, above all in rooms and public buildings with high concentrations of people as well as machine and device construction, transport and conveyor technology, heating, climate technology
- For trouble-free transmission in all areas of electronics, measuring, control and regulation technology
- Connection and data cable for signal, measurement and data transmission for telephone and voice transmission
- In dry and moist rooms
- As control, measurement and regulation cable medium operating conditions
- For flexible application without compulsory guide

Properties
- Environmentally friendly halogen-free cable
- Halogen-free conductors prevent poisonous and corrosive fire gases from damaging property and causing injury to people
- Very good shielding attenuation
- Free from paint wetting disruptive substances (LABS-free), RoHS-compliant

Technical data

Rated voltage	300
Test voltage	1200 V
Insulation resistance	min. 20 MΩ × km
Temperature range	
moving	-25 °C to +70 °C
fixed	-40 °C to +70 °C
Minimum bending radius	
moving	Cable diameter × 12
fixed	Cable diameter × 6
Burning behaviour	Flame-retardant according to VDE 0482 part 265-2; IEC 60332-1
Halogen-free	according to VDE 0482 T. 267-2-1; EN 50267-2-1; IEC 60754-1
Corrosiveness of smoke emissions	according to VDE 0482 T. 267-2-2; EN 50267-2-2; IEC 60754-2

Design
- Bare copper wire, multi-strand according to DIN VDE 0295 class 5, IEC 60228 class 5
- Special-TPE conductor insulation
- Conductors colour-coded according to DIN 47100
- Conductors stranded layers
- Meshwork from tinned copper wire braid, optical covering ≥ 85 %
- Full polyurethane jacket, matt, adhesion-free surface
- Jacket colour grey RAL 7001 or 7032

Part-No.	Number of strands/cross-section	Outer-∅ approx. mm	Weight kg/100 m	Cu-Index kg/100 m
0.14 mm²				
113780	(2×0.14)	3.9	2.0	0.7
113781	(3×0.14)	4.1	2.4	1.2
113782	(4×0.14)	4.6	2.7	1.4
113783	(5×0.14)	4.9	3.2	1.6
113784	(7×0.14)	5.2	3.9	2.0
113785	(10×0.14)	6.5	5.5	3.3
113786	(12×0.14)	6.7	6.0	3.0
113787	(18×0.14)	7.6	8.8	5.0
113788	(25×0.14)	9.1	11.3	6.3
0.25 mm²				
113791	(3×0.25)	4.7	2.9	1.8
113792	(4×0.25)	4.8	3.4	2.2
113793	(5×0.25)	5.6	4.3	2.5
113794	(7×0.25)	6.0	5.1	3.0
113795	(10×0.25)	7.4	8.0	5.0
113796	(12×0.25)	7.6	9.4	5.0
113797	(18×0.25)	8.8	12.7	7.8
113798	(25×0.25)	10.2	16.5	9.2
0.34 mm²				
113801	(3×0.34)	5.3	3.9	2.0
113802	(4×0.34)	5.3	4.7	2.4
113803	(5×0.34)	6.4	5.8	2.9
113804	(7×0.34)	6.9	7.7	4.4
113805	(10×0.34)	8.4	11.2	6.0
113806	(12×0.34)	8.7	11.8	6.5
113807	(18×0.34)	10.1	17.1	9.5
113808	(25×0.34)	12.3	22.7	14.2
0.5 mm²				
113810	(2×0.5)	5.2	3.6	1.9
113811	(3×0.5)	5.5	4.6	2.5
113812	(4×0.5)	5.9	6.2	3.7
113813	(5×0.5)	6.3	7.6	4.4
113814	(7×0.5)	7.3	9.9	5.8
113815	(10×0.5)	8.8	12.2	7.6
113816	(12×0.5)	9.2	14.1	8.8
113817	(18×0.5)	10.5	21.0	12.1
113818	(25×0.5)	13.0	28.4	18.8
0.75 mm²				
113820	(2×0.75)	5.8	4.7	2.5
113821	(3×0.75)	6.1	5.2	3.7
113822	(4×0.75)	6.8	7.8	4.9
113823	(5×0.75)	7.1	9.0	5.8
113824	(7×0.75)	8.0	12.0	7.8
113825	(10×0.75)	10.0	17.6	12.3
113826	(12×0.75)	10.2	19.7	11.9
113827	(18×0.75)	11.8	20.3	16.8

CE These products are in conformity with the EU Low Voltage Directive 2006/95/EC