Halogen-free data cable · stranded pairs, shielded

HALOGENFLEX D (C)PUR TP

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
- In dry and moist rooms
- For trouble-free transmission in all areas of electronics, measuring, control and regulation technology
- As control, measurement and control cable for medium operating conditions
- For flexible use without compulsory guide

Properties
- Environmentally friendly, halogen-free data cable
- High active and passive interference resistance
- High crosstalk attenuation through paired stranding
- Low capacitance, very good electrical properties
- Very good cold flexibility
- Halogen-free, no corrosive gases
- Low adhesion, abrasion-proof, nick-resistant, tear-propagation-resistant, hydrolisis-resistant, microbe-resistant, and rot-resistant
- Widely resistant to acids and bases (see tech. information)
- Free from paint wetting disruptive substances (LABS-free), RoHS-compliant

Technical data

Voltage	
< 0.5 mm²	250 V
≥ 0.5 mm²	300 V
Test voltage	3000 V
Isolation resistance	min. 20 MΩ × km
Temperature range	
moving	-15 °C to +80 °C
fixed	-40 °C to +80 °C
Minimum bending radius	
moving	Cable diameter × 15
fixed	Cable diameter × 6
Burning behaviour	Flame-retardant according to UL 94 V2
Halogen-free	Halogen-free according to VDE 0482 T. 267-2-1; EN 50267-2-1; IEC 60754-1

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 pairs
- Meshwork from tinned copper wire braid, optical covering ≥ 85 %
- Full polyurethane jacket, matt, adhesion-free surface
- Jacket colour grey RAL 7001

Part-No.	Number of strands/cross-section	Outer-∅ approx. mm	Weight kg/100 m	Cu-Index kg/100 m
0.14 mm²				
113860	(2×2×0,14)	5.5	3.8	2.2
113861	(3×2×0,14)	5.8	4.8	2.5
113862	(4×2×0,14)	6.2	5.4	2.4
113863	(6×2×0,14)	7.3	5.6	3.8
113864	(7×2×0,14)	7.5	9.5	5.3
113865	(12×2×0,14)	9.3	13.7	7.8
0.25 mm²				
113868	(2×2×0,25)	6.0	4.5	2.6
113869	(3×2×0,25)	6.8	6.9	4.1
113870	(4×2×0,25)	7.0	8.3	5.0
113871	(6×2×0,25)	8.0	11.5	6.5
113872	(7×2×0,25)	8.5	11.9	7.1
113873	(12×2×0,25)	10.6	17.6	10.7
113874	(15×2×0,25)	11.8	21.3	12.3
0.34 mm²				
113876	(2×2×0,34)	6.9	6.9	4.2
113877	(3×2×0,34)	7.4	8.4	4.0
113878	(4×2×0,34)	8.0	9.4	5.2
113879	(6×2×0,34)	9.4	14.9	8.4
113880	(7×2×0,34)	10.0	15.4	9.1
113881	(12×2×0,34)	12.5	24.5	13.9
0.5 mm²				
113884	(2×2×0,5)	7.3	7.1	4.1
113885	(3×2×0,5)	7.9	9.2	5.3
113886	(4×2×0,5)	9.0	12.5	6.6
113887	(6×2×0,5)	10.5	17.8	10.7
113888	(7×2×0,5)	11.2	18.6	11.7
113889	(12×2×0,5)	14.5	33.2	20.3
0.75 mm²				
113892	(2×2×0,75)	8.0	10.5	6.4
113893	(3×2×0,75)	8.6	13.8	7.0
113894	(4×2×0,75)	10.0	16.8	10.6
113895	(6×2×0,75)	12.0	23.7	13.8
113896	(7×2×0,75)	12.5	25.4	16.0
113897	(12×2×0,75)	15.8	43.3	24.2

CE These products are in conformity to the EC Low Voltage Directive73/23/EWG or 93/68/EWG respectively