

FESTOONFLEX

PUR Festoon cable, Halogen Free

Application

Festoonflex cable is specially designed for applications where high mechanical stresses and frequent bending is required, Typical applications include heavy duty trolley systems and cable drag chains. The cable is suitable for use in dry, humid and wet rooms and for outdoor use.

Construction

Conductor :	Fine stranded plain copper according to VDE 0295 Class 5
Insulation:	Polyester based halogen free compound
Core colour :	Up to 5 cores according to VDE 0293 -7 cores and above white with black numbers with green/yellow earth
Core Arrangement :	Cores stranded in layers
Outer sheath :	Special polyurethane, flame resistant & halogen free
Sheath colour :	Black
Imprint :	Festoonflex 600/1000V

Working Environment

Maximum operating temperature in fixed application :	-50 deg C - + 90 deg C
Maximum operating temperature in mobile application :	-40 deg C - + 90 deg C
Maximum temperature at conductor :	+90 deg C
Environment :	suitable for use in dry & damp areas

Electrical properties

Nominal voltage :	600/1000 V
Test Voltage :	2500 V
Conductor resistance :	In accordance with IEC 228 class 6

Additional information

Minimum bending radius :	6 x Outside diameter
Tensile strength :	up to 15 N/mm ² of copper cross section
Operating Speed :	Trolley travelling speeds up to 240 m/min (please enquire for higher operating speeds)
Oil resistance :	According to VDE 0472 part 803 test type B
Flame resistance :	According to EN 50265-2-1

Applied Standards

	DIN VDE 0250
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- ① Copper conductor
- ② Polyester based Insulation
- ③ PUR Outer sheath

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Part No	Cross Section mm ²	Current Rating @ 30 Deg	CU Number kg/km	O/D approx. (mm)	Weight kg/km
08095 0150 03	3 G 1.5	20A	43.0	7.5	115
08095 0150 04	4 G 1.5	20A	58.0	9.0	140
08095 0150 07	7 G 1.5	20A	101.0	12.0	218
08095 0150 12	12 G 1.5	20A	173.0	15.0	260
08095 0150 18	18 G 1.5	20A	259.0	16.0	340
08095 0150 24	24 G 1.5	20A	346.0	17.0	480
08095 0150 30	30 G 1.5	20A	432.0	21.0	680
08095 0250 03	3 G 2.5	25A	72.0	9.0	160
08095 0250 04	4 G 2.5	25A	96.0	10.0	190
08095 0250 05	5 G 2.5	25A	120.0	10.0	210
08095 0250 07	7 G 2.5	25A	168.0	12.0	295
08095 0250 12	12 G 2.5	25A	288.0	17.0	463
08095 0250 18	18 G 2.5	25A	432.0	17.5	576
08095 0250 24	24 G 2.5	25A	576.0	20.0	758
08095 0250 30	30 G 2.5	25A	720.0	26.5	1080
08095 0400 04	4 G 4	36A	154.0	11.0	219
08095 0400 05	5 G 4	36A	192.0	12.0	265
08095 0600 04	4 G 6	47A	230.0	12.5	340
08095 0600 05	5 G 6	47A	288.0	14.0	388
08095 1000 04	4 G 10	64A	384.0	16.0	550
08095 1000 05	5 G 10	64A	480.0	17.0	614
08095 1600 01	1 x 16	86A	154.0	9.5	170
08095 1600 04	4 G 16	86A	614.0	18.5	791
08095 1600 05	5 G 16	86A	768.0	20.0	968
08095 2500 01	1 x 25	114A	240.0	11.0	255
08095 2500 04	4 G 25	114A	960.0	23.5	1078
08095 2500 05	5 G 25	114A	1200.0	26.0	1466

We reserve the right to amend all technical details without prior notification