

# FESTOONFLEX – C

## Screened PUR Festoon cable, Halogen Free

### Application

Festoonflex-C 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
Supporting element :	Central textile element
Inner Sheath :	PUR
Overall shield :	Tinned copper braid coverage ca. 85%
Outer sheath :	Special polyurathene, flame resistant and halogen free
Sheath colour :	Black
Imprint :	Festoonflex-C 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

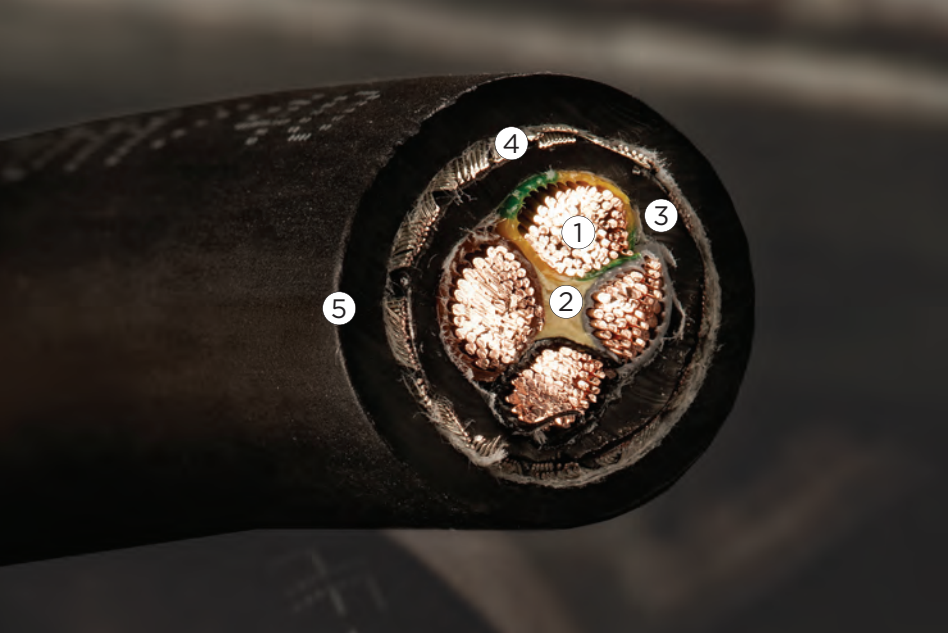
Nominal voltage :	600/1000 V
Test Voltage :	2500 V
Conductor resistance :	In accordance with IEC 228 class 6

### Additional information

Minimum bending radius :	6 x Outside diameter
Tensile strength :	up to 15 N/mm2 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 inner sheath
- ④ Tinned copper braid shield
- ⑤ PUR outer sheath

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Part No	Cross Section mm <sup>2</sup>	Current Rating @ 30 Deg	CU Number kg/km	Outer diameter approx. (mm)	Weight kg/km
08095 0150 04 CY	4 G 1.5	20A	118.0	9.5	200
08095 0150 05 CY	5 G 1.5	20A	132.0	11.5	225
08095 0150 07 CY	7 G 1.5	20A	192.0	13.0	288
08095 0150 12 CY	12 G 1.5	20A	250.0	16.0	330
08095 0150 18 CY	18 G 1.5	20A	341.0	17.0	410
08095 0250 04 CY	4 G 2.5	25A	157.0	11.0	257
08095 0250 05 CY	5 G 2.5	25A	190.0	13.0	292
08095 0250 12 CY	12 G 2.5	25A	370.0	18.5	533
08095 0250 18 CY	18 G 2.5	25A	502.0	20.0	646
08095 0400 04 CY	4 G 4	36A	221.0	12.0	340
08095 0400 05 CY	5 G 4	36A	277.0	15.0	345
08095 0600 04 CY	4 G 6	47A	300.0	13.5	410
08095 1000 04 CY	4 G 10	64A	454.0	16.5	710
08095 1600 04 CY	4 G 16	86A	694.0	19.5	1020
08095 2500 01 CY	1 x 25	114A	310.0	11.5	330
08095 2500 04 CY	4 G 25	114A	1050.0	24.5	1168
08095 3500 01 CY	1 x 35	140A	406.0	13.5	426
08095 3500 04 CY	4 G 35	140A	1444.0	28.5	1666
08095 5000 01 CY	1 x 50	180A	550.0	16.0	695
08095 5000 04	4 G 50	180A	2030.0	34.0	2457

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

