

# Festoon cable

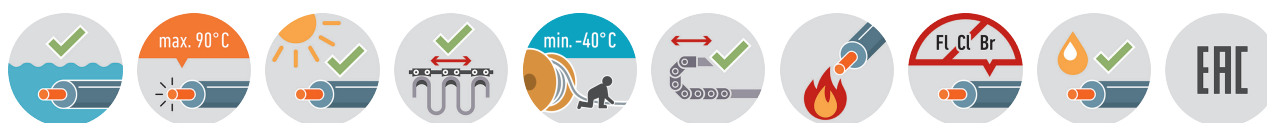
## PRYSMIAN Festoonflex<sup>®</sup> C-PUR-HF



**Application:** Screened power and control cable for very high mechanical requirements, frequently bendings, especially for use in trolley systems, drag chains on moving parts of machines, conveyor facilities. Suitable for dry, humid and wet rooms and for outdoor use. The cable is suitable for permanent use in water (no drinking water) up to a depth of 50 m.

### Construction and technical data:

<b>Conductor material:</b>	bare copper strand
<b>Conductor construction:</b>	Class 5 = flexible
<b>Insulation:</b>	polyester
<b>Material inner sheath:</b>	polyurethan
<b>Screen:</b>	tinned copper braid
<b>Screen coverage:</b>	85 %
<b>Self-supporting element:</b>	Textile
<b>Sheathing material:</b>	polyurethan
<b>Colour of outer sheath:</b>	black
<b>Flame-retardant:</b>	VDE 0482-332-1-2/IEC 60332-1-2
<b>Halogen-free:</b>	yes
<b>UV-resistant:</b>	yes
<b>Oil-resistant:</b>	EN 60811-404
<b>Max. temperature at conductor, °C:</b>	90 °C
<b>Permitted outer cable temperature, fixed, °C:</b>	-50 - +80 °C
<b>Permitted outer cable temperature, moved, °C:</b>	-40 - +80 °C
<b>Bending radius, fixed installation:</b>	6 x Ø
<b>Bending radius, moving application:</b>	6 x Ø
<b>Operating speed festoon, m/min.:</b>	210 m/min.
<b>Operating speed drag chain, m/min.:</b>	210



The products and information presented here are for technical calculation only. They are subject to technical progress and in no way represent the ability of shipment. Outer diameters are approximately.

Nominal voltage U<sub>o</sub>: 0.6 kV

Nominal voltage U: 1 kV

Test voltage: 4 kV

Core identification: colours acc. to VDE 0293 (HD 308);  
more than 5 cores: gn-ye + numbers

part no.	part name	RI [Ohm/km]	I <sub>bl</sub> [A]	Ø min. [mm]	Ø max. [mm]	Ø [mm]	F <sub>zp</sub> [N]	Cu	G [kg]
052131	01X25	0.78	138	10.3	11.5	11.5	375	310	330
052132	01X35	0.554	170	12.3	13.5	13.5	525	406	430
052133	01X50	0.386	212	15.4	16.6	16.6	750	550	610
052134	01X70	0.272	263	17	18.3	18.3	1050	747	810
052135	01X95	0.21	316	18.9	20.1	20.1	1420	998	1030
052136	01X120	0.161	370	21.4	22.8	22.8	1800	1306	1320
052137	01X150	0.129	424	23.1	24.5	24.5	2250	1613	1650
052138	01X185	0.106	484	25.5	27.2	27.2	2770	1903	2000
052139	01X240	0.0801	567	28.5	30.1	30.1	3600	2474	2490
053111	01X300	0.0641	651	31.6	33.6	33.6	4500	3150	3200
052951	04G1,5	13.3	24	10.8	12	12	90	118	240
052140	05G1.5	13.3	24	10.9	12.1	12.1	110	132	250
052141	07G1.5	13.3	24	10.9	12.1	12.1	150	192	220
052142	12G1.5	13.3	24	15	16.2	16.2	270	250	360
052143	18G1.5	13.3	24	15	16.2	16.2	400	341	420
052144	04G2.5	7.98	32	12.1	13.2	13.2	150	157	250
052145	05G2.5	7.98	32	12.8	14	14	180	190	280
052146	12G2.5	7.98	32	17.4	18.6	18.6	450	370	530
052147	18G2.5	7.98	32	17.5	18.8	18.8	670	621	650
052148	04G4	4.95	43	13.6	14.7	14.7	240	221	330
052149	04G6	3.3	56	15.1	16.3	16.3	360	300	420
052150	04G10	1.91	78	18.4	19.6	19.6	600	454	640
052151	04G16	1.21	104	21.2	22.5	22.5	960	694	940
052152	04G25	0.78	138	24.5	26.2	26.2	1500	1050	1360
052153	04G35	0.554	170	29.6	31.6	31.6	2100	1526	1870
052154	04G50	0.386	212	35.1	37.6	37.6	3000	2124	2560
052554	04G70	0.272	263			44.5	4200	2936	3070
052155	05G16	1.21	104			24.2	1200	864	920
052156	04X(2X1.5)	13.3	24	17.2	18.5	18.5	180	237	385
052952	04X(2X2,5)	7.98	32			21.7	300	289	340

RI	Conductor resistance
I <sub>bl</sub>	Ampacity in air (30 °C)
Ø min.	outer diameter min.
Ø max.	outer diameter max.
Ø	outer diameter approx.
F <sub>zp</sub>	Tensile strength (permanent)
Cu	Copper weight (GER)
G	net weight per 1000