

Festoon cable

PRYSMIAN Festoonflex[®] 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:

Conductor material:	bare copper strand
Conductor construction:	Class 5 = flexible
Insulation:	polyester
Material inner sheath:	polyurethan
Screen:	tinned copper braid
Screen coverage:	85 %
Self-supporting element:	Textile
Sheathing material:	polyurethan
Colour of outer sheath:	black
Flame-retardant:	VDE 0482-332-1-2/IEC 60332-1-2
Halogen-free:	yes
UV-resistant:	yes
Oil-resistant:	EN 60811-2-1
Maximum temperature at conductor, °C:	90 °C
Permitted outer cable temperature, fixed, °C:	-50 - +80 °C
Permitted outer cable temperature, moved, °C:	-40 - +80 °C
Bending radius, fixed installation:	6 x Ø
Bending radius, moving application:	6 x Ø
Operating speed festoon, m/min.:	210 m/min.
Operating speed drag chain, m/min.:	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_o: 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 _{bl} [A]	Ø [mm]	F _{zp} [N]	Cu [kg/km]	G [kg/km]
052131	01X25	0.78	138	12.5	370	310	325
052132	01X35	0.55	170	14.1	520	406	435
052133	01X50	0.39	212	16.5	750	550	620
052134	01X70	0.27	263	19	1050	747	824
052135	01X95	0.21	316	20.5	1420	998	1060
052136	01X120	0.16	370	23	1800	1306	1331
052137	01X150	0.13	424	24.5	2250	1613	1860
052138	01X185	0.11	484	28	2770	1903	2026
052139	01X240	0.08	567	31.5	3600	2474	2620
052140	05G1.5	13.3	24	12.1	110	132	225
052141	07G1.5	13.3	24	12.4	150	192	240
052142	12G1.5	13.3	24	16	270	250	330
052143	18G1.5	13.3	24	17	400	341	410
052144	04G2.5	7.98	32	11	150	157	257
052145	05G2.5	7.98	32	13	180	190	292
052146	12G2.5	7.98	32	18.5	450	370	533
052147	18G2.5	7.98	32	18.4	670	621	642
052148	04G4	4.95	43	14.7	240	221	322
052149	04G6	3.3	56	16.2	360	300	430
052150	04G10	1.91	78	16.5	600	454	710
052151	04G16	1.21	104	22.5	960	694	940
052152	04G25	0.78	138	26.2	1500	1050	1370
052153	04G35	0.55	170	28.5	2100	1526	1666
052154	04G50	0.39	212	37	3000	2124	2780
052155	05G16	1.21	104	24.2	1200	864	1120
052156	04X(2X1.5)	13.3	24	19.5	90	237	446

RI	Conductor resistance
I _{bl}	Ampacity in air (30 °C)
Ø	outer diameter approx.
F _{zp}	Tensile strength (permanent)
Cu	Copper weight (GER)
G	net weight