

Festoon cable

PRYSMIAN Festoonflex[®] PUR-HF



Application: 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
Self-supporting element:	Textile
Torsion:	+/- 25 °/m
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
Maximum tensile strength at the conductor:	15 N/mm ²
Operating speed random, m/min.:	60 m/min.
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
Maximum permitted operating voltage in three-phase systems:	1.2 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]
052094	01X25	0.78	138	11	370	240	255
052095	01X35	0.55	170	14	520	336	368
052096	01X50	0.39	212	15.5	750	480	533
052097	01X70	0.27	263	19.6	1050	672	748
052098	01X95	0.21	316	19.6	1420	912	970
052099	01X120	0.16	370	22	1800	1152	1215
052100	01X150	0.13	424	23.2	2250	1440	1490
052101	01X185	0.11	484	25.5	2770	1776	1850
052103	04G1,5	13.3	24	9	90	58	140
052105	04G2,5	7.98	32	10.4	150	96	160
052106	05G2,5	7.98	32	11	180	120	180
052107	07G2,5	7.98	32	13	260	168	260
052108	12G1,5	13.3	24	15.9	270	173	323
052109	12G2,5	7.98	32	20.4	450	288	485
052110	18G1,5	13.3	24	16	400	259,2	384
052111	18G2,5	7.98	32	17.5	670	432	576
052112	24G1,5	13.3	24	17.6	540	346	495
052113	24G2,5	7.98	32	21	900	576	758
052114	30G2,5	7.98	32	26.5	1120	720	1080
052115	04G4	4.95	43	12	240	154	214
052116	04G6	3.3	56	14.9	360	230,4	372
052117	04G10	1.91	78	16.5	600	384	510
052118	04G16	1.21	104	18.5	960	614,4	791
052119	04G25	0.78	138	23.5	1500	960	1150
052120	04G35	0.55	170	27.5	2100	1344	1566
052121	04G50	0.39	212	32.5	3000	1920	2175
052478	04G95	0.206	316	42.4	5700	3648	4111
052122	05G4	4.95	43	12.7	300	192	230
052123	05G6	3.3	56	15.2	450	288	420
052124	05G10	1.91	78	16.8	750	480	629
052125	05G16	0.78	138	20.5	1870	768	920
052126	05G25	0.78	138	24.4	1870	1200	1373
052127	04X(2X1)C	19.5	19	17	120	206	342
052128	06X(2X1)C	19.5	19	20.1	180	265	462

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