

Festoon cable

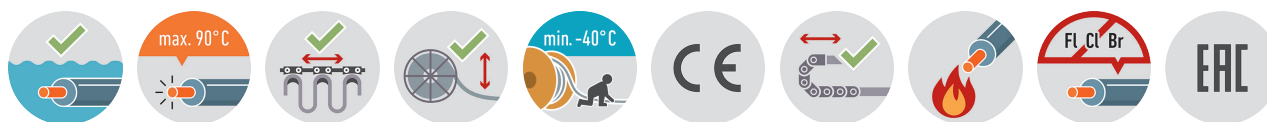
PRYSMIAN Festoonflex[®] PUR-HF



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:	copper, bare
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 60811-404
Water-resistant:	yes
Max. 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 min. [mm]	Ø max. [mm]	Ø [mm]	F _{zp} [N]	Cu	G [kg]
053027	01X16	1.21	104	8.5	9.5	9.5	240	154	170
052094	01X25	0.78	138	9.9	11.1	11.1	370	240	270
052095	01X35	0.554	170	11.7	12.9	12.9	520	336	380
052096	01X50	0.386	212	13.9	15.1	15.1	750	480	530
052097	01X70	0.272	263	16.2	17.4	17.4	1050	672	740
052098	01X95	0.206	316	17.9	19.1	19.1	1420	912	940
052099	01X120	0.161	370	20.2	21.5	21.5	1800	1152	1200
052100	01X150	0.129	424	21.8	23.2	23.2	2250	1440	1490
052101	01X185	0.106	484	24.3	25.7	25.7	2770	1776	1830
052686	01X240	0.0801	567	27.7	29.3	29.3	3600	2304	2350
052695	01X300	0.0641	651	30	32	32	4500	2880	3200
053793	03G1.5	13.3	24	6.5	7.5	7.5	67	44	115
053794	03G2.5	7.98	32	8.5	9.5	9.5	112	72	130
052103	04G1.5	13.3	24	8.1	9.1	9.1	90	58	120
052105	04G2.5	7.98	32	9.2	10.2	10.2	150	96	160
052284	05G1.5	13.3	24	8	9	9	112	72	150
052106	05G2.5	7.98	32	9.8	11	11	180	120	180
053796	07G1.5	13.3	24	9	10	10	157	101	220
052107	07G2.5	7.98	32	11.5	12.7	12.7	260	168	250
052108	12G1.5	13.3	24	14.3	15.5	15.5	270	173	320
052109	12G2.5	7.98	32	16.5	17.7	17.7	450	288	460
052110	18G1.5	13.3	24	14.5	15.7	15.7	400	259.2	380
052111	18G2.5	7.98	32	16.7	17.9	17.9	670	432	580
052112	24G1.5	13.3	24	16.5	17.8	17.8	540	346	380
052113	24G2.5	7.98	32	19.2	20.4	20.4	900	576	760
053336	30G1.5	13.3	24	19.6	21	21	675	450	680
052114	30G2.5	7.98	32	24.9	26.5	26.5	1120	720	1080
052115	04G4	4.95	43	10.3	11.5	11.5	240	154	230
052116	04G6	3.3	56	12.1	13.2	13.2	360	230.4	320
052117	04G10	1.91	78	15	16.2	16.2	600	384	520
052118	04G16	1.21	104	17.7	18.9	18.9	960	614.4	750
052119	04G25	0.78	138	21.1	22.5	22.5	1500	960	1160
052120	04G35	0.554	170	25.8	27.4	27.4	2100	1344	1650
052121	04G50	0.386	212	31	33	33	3000	1920	2410
053209	04G70	0.272	263	38.1	40.6	40.6	4200	2688	3070
052478	04G95	0.206	316	42	44.5	44.5	5700	3648	4150
052122	05G4	4.95	43	11.6	12.7	12.7	300	192	290
052123	05G6	3.3	56	14	15.2	15.2	450	288	420
052124	05G10	1.91	78	16.2	17.5	17.5	750	480	630
052125	05G16	1.21	104	19.4	20.6	20.6	1200	768	920
052126	05G25	0.78	138	23.2	24.5	24.5	1870	1200	1380
052938	19G4	4.95	43			24.5	1140	730	1050
052127	04X(2X1)C	19.5	19			16.9	120	206	310
052128	06X(2X1)C	19.5	19			20.1	180	265	480

part no.	part name	RI [Ohm/km]	Ibl [A]	Ø min. [mm]	Ø max. [mm]	Ø [mm]	Fzp [N]	Cu	G [kg]
054602	03X(2X1.5)C	13.3	24	17.2	18.5	17.4	135	153	338
053778	03X(2X2.5)C	7.98	32			18.8	225	245	390
052866	03x70+3G16	0.272	263			34.7	3150	2477	2800

RI	Conductor resistance
Ibl	Ampacity in air (30 °C)
Ø min.	outer diameter min.
Ø max.	outer diameter max.
Ø	outer diameter approx.
Fzp	Tensile strength (permanent)
Cu	Copper weight (GER)
G	net weight per 1000