

Reeling cable

PRYSMIAN Trommelflex[®] PUR-HF



Application: As connection and reelable control cable in lifting devices, hoisting plants and transporting machines for heavy mechanical load. The cable is resistant to oils. Due to the good UV- and damp-resistance the cable can be used indoors, outdoors and in water up to 50 m depth of water.

Construction and technical data:

Conductor material:	bare copper strand
Conductor construction:	Class 5 = flexible
Insulation:	polyester
Material inner sheath:	polyurethan
Self-supporting element:	Textile
Torsion:	+/- 50 °/m
Sheathing material:	polyurethan
Colour of outer sheath:	black
Flame-retardant:	VDE 0482-332-1-2/IEC 60332-1-2
Halogen-free:	DIN EN 50267/IEC 60754
UV-resistant:	yes
Oil-resistant:	yes
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:	25 N/mm ²
Operating speed random, m/min.:	180 m/min.
Maximum tensile strength (installation), N:	1500 N



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]
037290	04G1.5	13.3	23	11.2	150	58	150
037291	05G1.5	13.3	23	11.7	180	81	170
037292	07G1.5	13.3	23	13.2	260	115	220
037293	12G1.5	13.3	23	16.7	450	196	360
037294	18G1.5	13.3	23	18.1	670	271	470
037295	24G1.5	13.3	23	20.2	900	392	600
037296	30G1.5	13.3	23	22.5	1120	450	740
037297	04G2.5	7.98	30	12.2	250	99	200
037298	05G2.5	7.98	30	13	310	125	220
037299	07G2.5	7.98	30	14.7	430	180	310
037300	12G2.5	7.98	30	20.1	750	308	550
037301	18G2.5	7.98	30	20.4	1120	451	670
037302	24G2.5	7.98	30	22.9	1500	616	870
037303	30G2.5	7.98	30	26	1870	771	1090
037304	36G2.5	7.98	30	29	2250	930	1400
037305	04G4	4.95	41	13.5	400	160	280
037306	04G6	3.3	53	15.2	600	241	370
037307	04G10	1.91	74	18.6	1000	404	600
037308	04G16	1.21	99	21.4	1600	645	850
037309	04G25	0.78	131	24.9	2500	1005	1230
037310	04G35	0.554	162	30.2	3500	1417	1760
037311	04G120	0.161	352	52	12000	4608	5900
037312	05G4	4.95	41	14.5	500	200	330
037313	05G6	3.3	53	17.6	750	317	480
037314	05G10	1.91	74	19.9	1250	528	720
037315	05G16	1.21	99	23	2000	816	1030
036681	Prysmian TROM-MELFLEX PUR-HF 05G25 SW	0.78	131	35.8	3120	1200	1980
036682	Prysmian TROM-MELFLEX PUR-HF 05G35 SW	0.55	162	39.1	4370	1680	2570
037457	03X50 + 3G50/3	0.272		37.3	3750	1920	2650
037420	12G2,5	7.98	30	22.8	750	484	780
037316	19G2.5 + 05X1.5(C) SW			23.3		563	850
037458	19G2,5 + 05X1,5(C)			27		750	990
037317	04G16 + 2X(4X1.5)C			26.3		840	1140
037318	08X6X2.5			45.2		1152	2593
037319	06X(2X1)C			22.7		265	600
037402	06X(2X2,5)+2X(2X1,5)C			28.5		405	950

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