

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:	copper, bare
Conductor construction:	Class 5 = flexible
Insulation:	polyester
Material inner sheath:	polyurethan
Self-supporting element:	Textile
Torsion protection:	polyester braid
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:	EN 60811-404
Max. temperature at conductor, °C:	90 °C
Max. short circuit temperature at conductor, °C:	250 °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.



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 1.2 kV

three-phase systems:
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	G [kg]
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	230
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
037507	36G1,5	13.3	23	25.1	1350	519	900
037733	42G1,5	13.3	23	28	900	633	920
037297	04G2.5	7.98	30	12.2	250	99	200
037298	05G2.5	7.98	30	13	310	125	230
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	1410
037719	42G2,5	7.98	30	36.3	2625	1079	1921
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
037787	04G50	0.386	202	35.1	5000	1920	2700
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	05G25	0.78	131	28.6	3125	1200	1519
036682	05G35	0.554	162	33	4370	1680	2140
038628	07G16	1.21	99	33	2800	1176	1660
037457	03X50 + 3G50/3	0.386	202	37.3	3750	1920	2650
037630	03X70 + 3G16	0.272	250	38.1	5250	2477	3100
037789	04G1.5+2x(2x0.75)C	13.3	23	20	150	129	400
037316	19G2.5 + 05X1.5(C)	7.98	30	23.3	1188	563	843
037458	26G2.5 + (04X2.5)C	7.98	30	27	1625	750	990
037900	04G6 + 2x(2x1)C	3.3	53	20.1	600	315	660
037556	04G6 + 4X(2X1,5)C	3.3	53	24.5	600	525	870
037317	04G16 + 2X(4X1.5)C	1.21	99	26.3	1600	840	1140
038139	04G16 + 2x(4x2.5)C	1.21	99	32	1600	857	1530
037897	04G25 + 2x(6x1.5St)C	0.78	131	33.5	2500	1211	1750
038248	04G25 + 2x(4x2.5)	0.78	131	31	2500	1152	1600

part no.	part name	RI [Ohm/km]	Ibl [A]	Ø [mm]	Fzp [N]	Cu	G [kg]
037538	04G35 + 2X(4X1.5)C	0.554	162	33.5	3500	1572	1950
037593	04G50 + 2X(4X1.5)C	0.386	202	38.8	5000	2146	3050
037825	04G50 + 3X(7X1.5)C	0.386	202	48.7	5000	2351	3500
037943	04G50 + 2x(6x2.5)C	0.386	202	43.5	5000	2318	3300
037877	04G50 + 1x(7x2.5)	0.386	202	39.3	5000	2088	3150
037828	05G10+1x(4x1.5)C	1.91	74	27.2	1250	570	1100
037318	08X6X2.5	7.98		45.2		1152	2593
037319	06X(2X1)C	19.5		22.7		265	600
037402	06X(2X2.5) + 2X(2X1.5)C	7.98		28.5		405	950

Trommelflex[®] PUR-HF + FO

Nominal voltage U₀: 0.6 kV

Nominal voltage U: 1 kV

Maximum permitted operating voltage in 1.2 kV

three-phase systems:

Test voltage: 4 kV

Core identification: colours acc. to VDE 0293 (HD308)

part no.	part name	RI [Ohm/km]	Ibl [A]	Ø [mm]	Fzp [N]	Cu	G [kg]
037771	03G25+12G62,5/125	0.78	131	24.9	1875	720	1180
038140	04G16 + 18E9/125 + 18G62.5/125 + 12G50/125 OM4	1.21	99	32	1600	615	1400
037570	04G25+12G62,5/125	0.78	131	28.1	2500	1005	1377
037772	05G25+12G62,5/125	0.78	131	30.5	3125	1200	1600

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