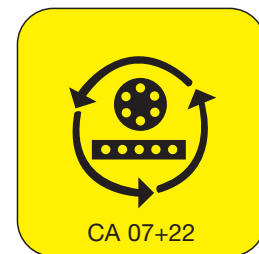
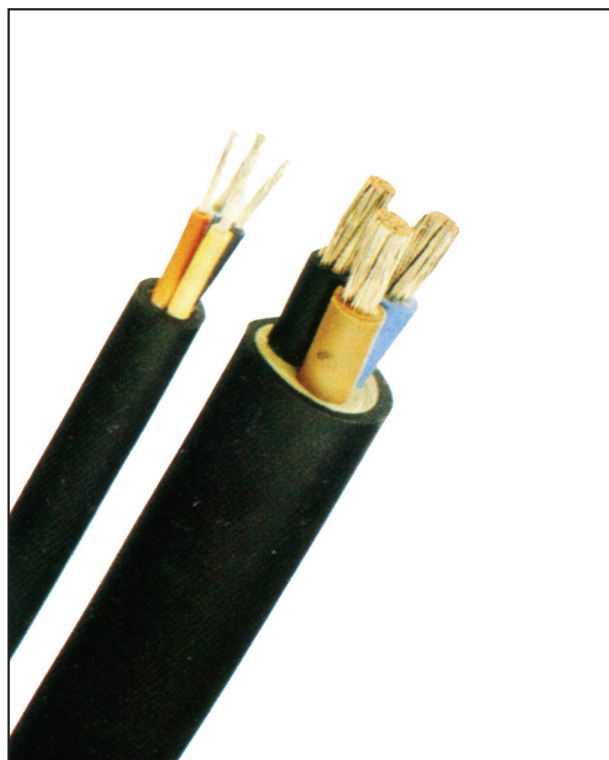


TEXOPRENETM CABLE – TR75

HARMONISED TRAILING CABLE ACCORDING TO VDE 0282, NOMINAL VOLTAGE 750 V



MEDIUM TO HEAVY MECHANICAL STRESSES



CONSTRUCTION

Conductor of copper, finely stranded, class 5 (other stranding on request) according to VDE 0295 – insulation of dielectrical and thermal high quality, ozone resistant EPR, extruded and coloured – cores laid up – inner sheath only for Powermite multicore cables with cross-sections of 16 mm² and higher and for cables with 7 and more cores, extruded, filling the interstices, colour natural – outer sheath of chlorinated rubber like polychloroprene (CR) oil resistant and flame retardant, black.

Please Note: Powermite can offer in this category all variances for the above cables i.e. on temperature range, screening/braiding, sheath colours, sheath quality, core configuration, strandings. These changes, however, render the TR75 cables outside the VDE 0282 Specification.

CORE IDENTIFICATION TO VDE 0293

Core/size description bearing "X" w/o earth core

Core/size description bearing "G" with green/yellow earth core

APPLICATION

Texoprene **TR75** – insulated and sheathed flexible cables are designed for the use on sites with medium mechanical stresses (for heavy mechanical stresses we recommend the use of TR10, TRSS and TRM flexible cables) – e.g. industrial and agricultural appliances, electric tools such as drilling machines and other portable machinery on building sites and agriculture fields. Also suitable for fixed installations, in dry, humid or moist applications, outdoors.

TECHNICAL DATA

1. Max. operating Voltage AC	: 495 V / 825 V	6. Current Capacity	: see Table 3 page 52 VDE 0100
2. Max. operating Voltage DC	: 743 V / 1238 V	7. Derating	: see Table 3 page 52 VDE 0100
3. Test Voltage AC	: 2500 V	8. Specification	: acc. to VDE 0282 Part 810
4. Conductor resistance	: to DIN/VDE 0295 Class 5	9. Min. bending radius	: mobile 5 x cable O.D. fixed 4 x cable O.D.
5. Temperature range	: mobile – 30 °C to + 80 °C fixed – 45 °C to + 80 °C	10. Tensile stress	: not to exceed 15N/mm ² of total powercore cross section
		11. Marking	: printed

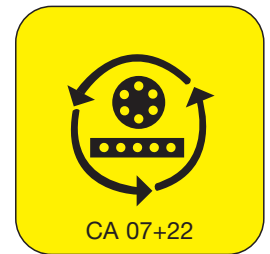
No. of cores and rated cross section	current rating	max. diameter of single strands	outer diameter approx.	weight approx.	No. of cores and rated cross section	current rating	max. diameter of single strands	outer diameter approx.	weight approx.
mm ²	amp	mm	mm	kg/km	mm ²	amp	mm	mm	kg/km
H07RN-F... X ...					H07RN-F... X ...				
1 x 1,5	27	0,26	7	60	1 x 150	415	0,509	28	1850
1 x 2,5	34	0,26	7,5	80	1 x 185	475	0,509	31	2350
1 x 4	45	0,31	8,5	100	1 x 240	560	0,509	35	3120
1 x 6	57	0,31	9,5	140	1 x 300	645	0,509	38	3600
1 x 10	78	0,41	11	220	1 x 400	770	0,509	40	4500
1 x 16	104	0,41	12	280	1 x 500	880	0,509	45	5900
1 x 25	137	0,41	14	400	H07RN-F... X ...				
1 x 35	168	0,41	16	520	2 x 1	16	0,21	9	100
1 x 50	210	0,41	18	720	2 x 1,5	20	0,26	10	130
1 x 70	260	0,509	21	940	2 x 2,5	27	0,26	13	190
1 x 95	310	0,509	23	1220	2 x 4	36	0,31	14	260
1 x 120	365	0,509	25	1510	2 x 6	47	0,31	16	340

STOCK: We also carry 3,3kV TRHT screened single cores - see page 8

Above sizes may require minimum quantities
All quoted data is approximate and not binding

TEXOPRENETM CABLE – TR75

HARMONISED TRAILING CABLE ACCORDING TO VDE 0282, NOMINAL VOLTAGE 750 V



MEDIUM TO HEAVY MECHANICAL STRESSES

Rated cross section	current rating	max. diameter of single strands	outer diameter approx.	weight approx.
mm ²	amp	mm	mm	kg/km
H07RN-F...G...				
3G 1	16	0,21	10	125
3G 1,5	20	0,26	11	155
3G 2,5	27	0,26	13	235
3G 4	36	0,31	15	310
3G 6	47	0,31	17	400
3G 10	65	0,41	22	810
3G 16	87	0,41	25	1000
3G 25	115	0,41	30	1470
3G 35	143	0,41	34	1950
3G 50	178	0,41	39	2550
3G 70	220	0,509	43	3370
3G 95	265	0,509	49	4420
3G120	310	0,509	53	5400
4G 1	16	0,21	11	150
4G 1,5	20	0,26	12	190
4G 2,5	27	0,26	14	280
4G 4	36	0,31	17	380
4G 6	47	0,31	19	510
4G 10	65	0,41	24	940
4G 16	87	0,41	27	1250
4G 25	115	0,41	32	1850
4G 35	143	0,41	36	2310
4G 50	178	0,41	41	3160
4G 70	220	0,509	46	4250
4G 95	265	0,509	53	5590
4G120	310	0,509	57	6790
4G150	360	0,509	64	8300
4G185	405	0,509	76	10500
4G240	480	0,509	79	13500
5G 1,5	20	0,26	13	230
5G 2,5	27	0,26	15	340
5G 4	36	0,31	18	470
5G 6	47	0,31	20	630
5G 10	65	0,41	26	1150
5G 16	87	0,41	28	1540
5G 25	115	0,41	36	2200
5G 35	143	0,41	38	3000

Rated cross section	current rating	max. diameter of single strands	outer diameter approx.	weight approx.
mm ²	amp	mm	mm	kg/km
A07RN-F... X ...				
3 x 1,5	20	0,26	11	155
3 x 2,5	27	0,26	13	235
3 x 4	36	0,31	15	310
3 x 6	47	0,31	17	400
3 x 10	65	0,41	22	810
3 x 16	87	0,41	25	1020
3 x 25	115	0,41	30	1450
3 x 35	143	0,41	34	1850
3 x 50	178	0,41	39	2540
3 x 70	220	0,509	43	3400
3 x 95	265	0,509	49	4450
3 x 120	310	0,509	53	5400

Rated cross section	current rating	max. diameter of single strands	outer diameter approx.	weight approx.
mm ²	amp	mm	mm	kg/km
A07RN-F... X ...				
4 x 1,5	20	0,26	12	190
4 x 2,5	27	0,26	14	280
4 x 4	36	0,31	17	380
4 x 6	47	0,31	19	510
4 x 10	65	0,41	24	940
4 x 16	87	0,41	27	1250
4 x 25	115	0,41	32	1850
4 x 35	143	0,41	36	2310
4 x 50	178	0,41	41	3160
4 x 70	220	0,509	46	4250
4 x 95	265	0,509	53	5590
12 x 1,5	20	0,26	22	580
12 x 2,5	27	0,26	25	745
12 x 4	36	0,31	29	1100
19 x 2,5	27	0,26	30	1200
24 x 2,5	27	0,26	34	1450

Rated cross section	current rating	max. diameter of single strands	outer diameter approx.	weight approx.
mm ²	amp	mm	mm	kg/km
A07RN-F...G...				
7G 1,5	20	0,26	17	316
7G 2,5	27	0,26	20	464
7G 4	36	0,31	22	630
7G 6	47	0,31	24	1000
7G 10	65	0,41	33	1300
7G 16	87	0,41	36	1900
9G 16	87	0,41	44	3180
12G 1,5	20	0,26	22	600
12G 2,5	27	0,26	25	745
12G 4	36	0,31	29	1130
12G 6	47	0,31	32	1400
19G 1,5	20	0,26	24	850
19G 2,5	27	0,26	30	1250
24G 1,5	20	0,26	28	1200
24G 2,5	27	0,26	34	1480
32G 1,5	20	0,26	30	1350
37G 1,5	20	0,26	31	1450
42G 2,5	27	0,26	38	2550

Rated cross section	current rating	max. diameter of single strands	outer diameter approx.	weight approx.
mm ²	amp	mm	mm	kg/km
BACH...				
2 x 50/2 x 2,5		0,41/0,26	36	2100
2 x 95/2 x (2 x 2,5)		0,509/0,26	48	3750

Above sizes may require minimum quantities
All quoted data is approximate and not binding