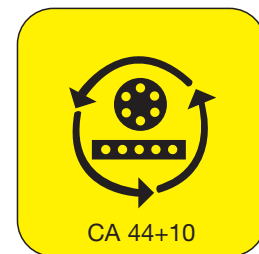
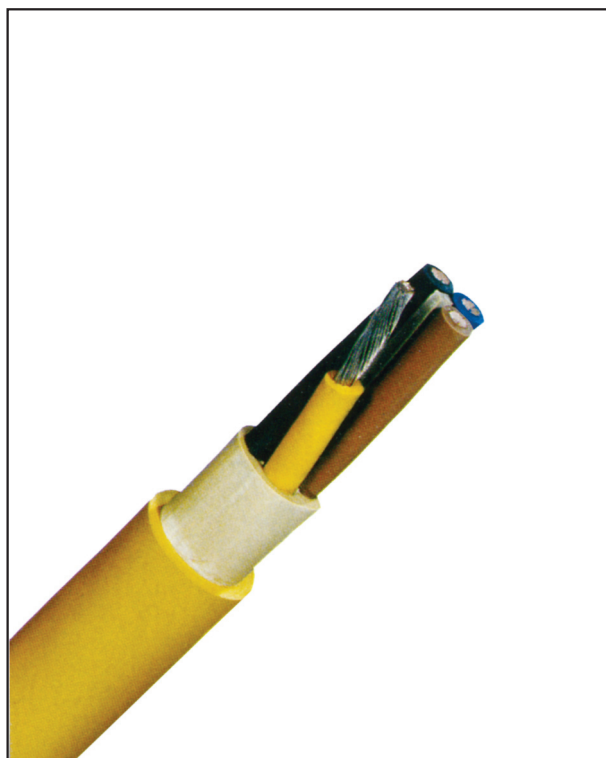


TEXOPRENETM CABLE – TRSS

TRAILING CABLE TO VDE 0250, NOMINAL VOLTAGE 1000 V



HEAVY TO VERY HEAVY DUTY MECHANICAL STRESSES



For individually screened mining and heavy industrial cable please consult pages 10, 11, 14-17.

CONSTRUCTION

Phase cores: copper conductor, tinned, finely stranded – EPR insulation of dielectrical and thermal high quality, ozone resistant – extruded and coloured.

Earth conductor: tinned copper wires laid either over the insulation (individually concentric coding ... 3/E) or between inner and outer sheath (concentrical, coding ... kon) or as green/yellow insulated core (coding – J).

Inner sheath: interstice filling bedding is provided – control cores are laid up in the interstices of the phase cores (coding 3 x ... St).

Outer sheath: chlorinated rubber like polychloroprene, oil resistant and flame retardant, tear and abrasion resistant. Yellow or black.

Please Note: Powermite cables can be designed to suit client's particular requirements i.e. cradle centre, special braids, strandings and different sheath qualities.

CORE IDENTIFICATION TO VDE 0293

Core 1 – 5 coloured to VDE, Core 6 and more numbered.

CABLE SIZE/DESCRIPTION

- O without earth core
- J with green/yellow earth core
- .../3E indicate conductor size ÷ by 3 for individually applied kon. earth
- .../3x...St indicate control cores incorporated
- .../kon indicates overall concentrical earth

APPLICATION:

TR10 heavy mechanical stresses

TRCC heavy mechanical stresses with cradle centre

TRSS very high mechanical stresses on mines

TRM very high mechanical stresses on mines, kon protection

All above types are suitable for dry, wet, sea water use, ex proof, cold and warm environments on mobile plant, welding equipment and mining operations, etc.

TECHNICAL DATA

1. Max. operating Voltage AC	: 690 V / 1150 V	6. Current Capacity	: see Table 3 page 52 VDE 0100
2. Max. operating Voltage DC	: 1040 V / 1730 V	7. Derating	: see Table 3 page 52 VDE 0100
3. Test Voltage AC	: 3000 V	8. Specification	: VDE 0250 Part 810, 811, 812
4. Max. 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 -25 °C to +80 °C fixed -40 °C to +80 °C	10. Tensile stress	: not to exceed 15N/mm ² to VDE of total powercore cross section
		11. Marking	: printed or embossed

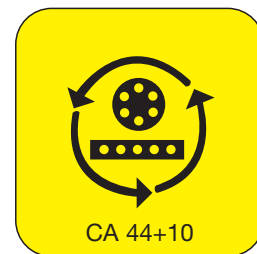
No. of cores and rated cross section	outer diameter approx.	weight approx.	inductive resistance at 50 Hz approx.	No. of cores and rated cross section	outer diameter approx.	weight approx.	inductive resistance at 50 Hz approx.
mm ²	mm	kg/m	Ω/km	mm ²	mm	kg/m	Ω/km
TRSS-O				TRSS-J			
1 x 16	11-14	0,25	–	3 x 1,5	11-14	0,25	0,11
1 x 25	13-18	0,40	–	3 x 2,5	13-16	0,30	0,11
1 x 35	14-18	0,50	–	4 x 1,5	13-16	0,30	0,11
1 x 50	16-19	0,70	–	4 x 2,5	15-18	0,40	0,11
1 x 70	18-21	0,95	–	4 x 4	17-20	0,50	0,10
1 x 95	20-24	1,20	–	4 x 6	19-22	0,60	0,10
1 x 120	23-26	1,50	–	4 x 10	23-26	0,95	0,09
1 x 150	25-28	1,80	–	4 x 16	27-30	1,40	0,09
1 x 185	28-31	2,30	–	4 x 25	33-37	2,10	0,09
1 x 240	32-36	3,00	–	4 x 35	35-39	2,60	0,08

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

TEXOPRENETM CABLE – TRSS

TRAILING CABLE TO VDE 0250, NOMINAL VOLTAGE 1000 V

HEAVY TO VERY HEAVY DUTY MECHANICAL STRESSES



No. of cores and rated cross section mm ²	outer diameter approx. mm	weight approx. kg/m	inductive resistance at 50 Hz approx. Ω /km
TRSS-J			
4 x 50	42-46	3,70	0,08
4 x 70	45-49	4,60	0,08
4 x 95	53-57	6,30	0,08
4 x 120	59-63	7,80	0,08
5 x 4	19-22	0,60	0,10
5 x 6	21-24	0,75	0,10
7 x 2,5	18-21	0,60	0,11
12 x 2,5	23-26	0,85	0,11
19 x 2,5	28-32	1,20	0,11
TRSS+/3E			
3 x 2,5 + 3 x 2,5/3E	19-19	0,35	0,11
3 x 4 + 3 x 4 /3E	19-22	0,50	0,10
3 x 6 + 3 x 6 /3E	20-23	0,60	0,09
3 x 10 + 3 x 10 /3E	24-28	0,95	0,09
3 x 16 + 3 x 16 /3E	27-30	1,20	0,08
3 x 25 + 3 x 16 /3E	29-33	1,80	0,08
3 x 35 + 3 x 16 /3E	34-38	2,30	0,08
3 x 50 + 3 x 25 /3E	40-44	3,30	0,08
3 x 70 + 3 x 35 /3E	44-48	4,10	0,08
3 x 95 + 3 x 50 /3E	50-55	5,50	0,08
3 x 120 + 3 x 70 /3E	55-60	6,80	0,08
3 x 150 + 3 x 70 /3E	59-64	8,00	0,08
TRSS+/3E + 3 x St			
3 x 2,5 + 3 x 2,5/3E + 3 x 1,5 St	20-23	0,55	0,11
3 x 4 + 3 x 4 /3E + 3 x 1,5 St	21-24	0,65	0,10
3 x 6 + 3 x 6 /3E + 3 x 1,5 St	22-25	0,81	0,10
3 x 10 + 3 x 10 /3E + 3 x 2,5 St	24-28	1,10	0,09
3 x 16 + 3 x 16 /3E + 3 x 2,5 St	27-30	1,30	0,09
3 x 25 + 3 x 16 /3E + 3 x 2,5 St	30-34	1,80	0,09
3 x 35 + 3 x 16 /3E + 3 x 2,5 St	34-38	2,40	0,08
3 x 50 + 3 x 25 /3E + 3 x 2,5 St	40-44	3,20	0,08
3 x 70 + 3 x 35 /3E + 3 x 2,5 St	44-48	4,20	0,08
3 x 95 + 3 x 50 /3E + 3 x 2,5 St	48-53	5,60	0,08
3 x 120 + 3 x 70 /3E + 3 x 2,5 St	51-56	6,80	0,08
3 x 150 + 3 x 70 /3E + 3 x 2,5 St	59-64	8,10	0,08
TRSS/... kon			
3 x 2,5/2,5 kon	15-18	0,35	0,10
5 x 2,5/2,5 kon	19-23	0,50	0,10
5 x 4 /4 kon	20-23	0,65	0,10
5 x 6 /6 kon	21-24	0,80	0,10
10 x 1,5/1,5 kon	20-24	0,80	0,11
10 x 2,5/2,5 kon	26-29	1,10	0,10

For collectively screened or collectively and individually screened mining cable see page 15.