



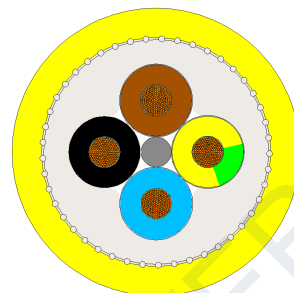
TEBAOFLEX CABLE

DATA SHEET

Mining&Industrialcable

TRM-J MINING CABLE

0.69/1.15 kV highly flexible multi-conductor rubber cable



APPLICATION

Highly flexible multi-conductor rubber mining cable for very heavy stresses in mines, shaft sinking, harbors, steel mills, quarries and oil rigs. Designed for mobile service where excellent flexibility, mechanical durability and reliable identification are required.

CONSTRUCTION

Parameter	Value
Conductors	Flexible tinned copper, class 5 according to IEC 60228
Insulation	Ethylene propylene rubber IEP, equivalent to 3GI3 according to DIN VDE 0207 part 20
Circuit identification	4-core: black, blue, brown, earth green-yellow; multi-core: black with numbering, earth green-yellow
Assembly	Power cores laid up around rubber filler where required, with PET tape wrapping
Inner sheath	Ethylene propylene rubber type EI4 according to DIN VDE 0207 part 20; natural colour
Concentric screen	Tinned copper wire braid, wire diameter 0.30 mm, minimum coverage 90%
Separator	Polyester tape under and over the braid
Outer sheath	Synthetic thermosetting compound type 5GM3 according to DIN VDE 0207 part 21
Sheath colour	Yellow

OPERATING CHARACTERISTICS

Parameter	Value
Rated voltage U ₀ /U	0.69/1.15 kV
Temperature - mobile	-25 deg C to +90 deg C
Temperature - fixed	-40 deg C to +90 deg C
Flexibility	Excellent flexibility for very heavy duty mining service
Resistance	Ozone, heat and oil resistant; flame retardant
Standard length	500 m on drums; other delivery lengths available on request

STANDARDS AND PERFORMANCE

- In line with VDE 0250 part 812
- IEC 60228 class 5 flexible conductors
- DIN VDE 0207 part 20 insulation and inner sheath compounds
- DIN VDE 0207 part 21 outer sheath compound
- Flame retardant design
- UV resistant design
- RoHS compliant construction

TECHNICAL DATA

Nominal dimensional data. Source brand marking has been omitted.

Dimensions						
Size	Stranding	Insulation mm	Inner sheath mm	Outer sheath mm	Overall dia. mm	Weight kg/km
4x2.5	45x0.25	0.9	1.2	2.0	17.3	458
4x4	51x0.3	1.0	1.2	2.0	18.9	557
4x6	76x0.3	1.0	1.2	2.0	20.7	738
4x10	74x0.4	1.2	1.4	2.2	24.3	1065
4x16	116x0.4	1.2	1.6	2.5	27.9	1483
4x25	180x0.4	1.4	1.8	3.0	33.2	2130
4x35	254x0.4	1.4	1.8	3.0	35.5	2607
4x50	364x0.4	1.6	2.0	3.5	42.6	3536
4x70	514x0.4	1.6	2.0	3.5	46.8	4799
4x95	684x0.4	1.8	2.4	4.0	55.5	6322
4x240	1752x0.4	2.4	3.2	5.0	77.7	13727
7x2.5	45x0.25	0.9	1.2	2.0	21.1	696
7x4	51x0.3	1.0	1.4	2.2	24.6	952
7x6	76x0.3	1.0	1.4	2.2	26.1	1438
12x4	51x0.3	1.0	1.6	2.0	27.0	1100
16x1	29x0.2	0.8	1.2	3.0	24.0	800
19x4	51x0.3	1.0	1.6	2.5	33.2	1776

Values are nominal. Cable dimensions may vary due to manufacturing tolerances.

CERTIFICATIONS



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