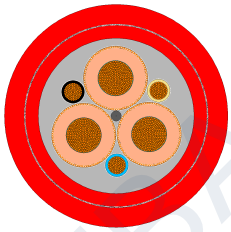
TEBAOFLEX CABLE

DATA SHEET

Mining&Industrial cable

NTSCGERLWOEU

3.6/6 kV flexible medium-voltage submersible cable



APPLICATION

Flexible medium-voltage submersible cable for permanent operation in water, including underground mining and mine dewatering installations. Suitable where reliable power transmission must be combined with additional mechanical protection. The waterproof inner sheath and galvanised steel strand braid protect the insulated cores in continuously submerged and mechanically demanding service.

CONSTRUCTION

Component	Description
Conductor	Flexible stranded tinned copper conductor, class 5 according to DIN VDE 0295
Inner conductor layer	Special conductive rubber compound
Insulation	Rubber compound type 3GI3
Outer conductor layer	Special conductive rubber compound, easy-strippable
Pilot cores	Optional copper conductors with EPR insulation
Earth conductor	Spiral of tinned annealed copper wires
Inner sheath	Waterproof synthetic butyl rubber
Armouring	Braid of galvanised steel strands
Outer sheath	Rubber compound type 5GM5

CHARACTERISTICS

- Flexible medium-voltage cable for permanent submerged operation.
- Waterproof synthetic butyl rubber inner sheath.
- Galvanised steel strand braid provides additional mechanical protection.
- Optional EPR-insulated pilot cores are available.
- Class 5 flexible tinned copper conductors.

TECHNICAL INFORMATION

Parameter	Unit	Value
Cable standard		VDE 0250 Part 813
Rated voltage Uo/U	kV	3.6/6

TECHNICAL DATA

DIMENSIONS AND WEIGHT

Dimensions and nominal weights by rated-voltage group.

Number of cores x nominal cross section (No. x mm2)	Minimum overall diameter mm	Maximum overall diameter mm	Nominal weight kg/km
3.6/6 kV			
3x35 + 3x16/3E	55.0	60.0	4600
3x50 + 3x25/3E	59.0	67.0	5600
3x70 + 3x35/3E	64.0	70.0	6700
3x95 + 3x50/3E	68.0	75.0	7900
3x120 + 3x70/3E	75.0	80.0	9980

NOTES

- Minimum and maximum overall diameters are stated in millimetres.
- Cable weights are nominal values stated in kilograms per kilometre.

CERTIFICATIONS