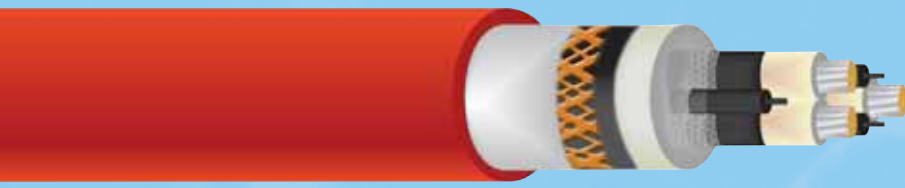




FLEXIDRUM® MEDIUM (N) TSCGEWÖU TUNNEL

From 3,6/6 Kv to 12/20 Kv



New version!
for use with
TBM's



Construction:

Conductor:	tinned copper conductor, class 5
Insulation:	EPR compound, acc. to DIN VDE 0207, part 20
Electrical range control:	Inner and outer semi-conductive layer of semi-conductive rubber
Earth conductor screen:	Individual copper/textile braid combination laid-up in a concentric around to each power cores
Core Identification:	Power cores: natural coloring with black semiconductive-rubber, Control cores: black
Inner sheath:	EPR compound Gm1b, acc. to DIN VDE 0207, part 21
Monitoring conductor:	Overall concentric lay of copper wire (6 ÜL KON)
Outer sheath:	RED PCP compound type 5GM5

Technical data:

Rated voltage:	U ₀ /U Kv	3,6/6	6/10	12/20
Max oper. voltage A.C.:	Kv	4,2/7,2	6,9/12	13,9/24
Max oper. voltage D.C.:	Kv	5,4/10,8	9/18	18/36
A.C. test voltage:	Kv	11	17	29
Current carrying capacity:	acc. to DIN VDE 0298, part 4			
Min. Bending radius:	acc. to DIN VDE 0298, part 3			
Minimum recommended bending radius on reels:	20 x d			
Temperature range				
Fixed installation:	- 40°C + 80°C			
Flexible application:	- 20°C + 80°C			
Max temperature of conductor:	+ 90°C			
Short-circuit temperature:	+ 250°C			
Tensile load:	up to 15 N/mm ²			
Torsional stress:	± 25°/m			
Max travel speed:	60 m/min.			
Oil resistance:	acc. to DIN VDE 0473, part 811-2-1, par. 10, IEC-EN 60811-2-1			
Fire resistance:	VDE 0482, part 332-1-2, IEC-EN 60332-1-2			

Applications:

- ▶ **Appropriate for reeling power supply cables mines in TBM'S machines and underground mines for tunnel construction applications**
- ▶ **Outdoors and Indoor use**
- ▶ **Ozone resistant**
- ▶ **Moisture and water resistant**

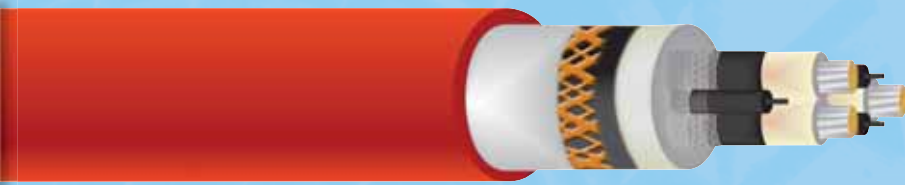
3,6/6 kV (7,2) kV

Part no.	No. of cores x cross-section n x mm ²	Outer-Ø ca. mm ± 10%	Copper weight kg/km	Cable weight approx. kg/km	Tensile strength N	AWG no. *)
07900363XTBM	3x25+3x16/3E +3x2,5ST + 6ÜL KON	41,7	-	2775	1125	4
07900364XTBM	3x35+3x25/3E +3x2,5ST + 6ÜL KON	45,4	-	3205	1575	2
07900365XTBM	3x50+3x25/3E +3x2,5ST + 6ÜL KON	49,9	-	4040	2250	1
07900366XTBM	3x70+3x35/3E +3x2,5ST + 6ÜL KON	53,1	-	5030	3150	2/0
07900367XTBM	3x95+3x50/3E +3x2,5ST + 6ÜL KON	59,1	-	6278	4275	3/0
07900368XTBM	3x120+3x70/3E +3x2,5ST + 6ÜL KON	62,9	-	7365	5400	4/0



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6/10 kV (12) kV

Part no.	No. of cores x cross-section n x mm ²	Outer-Ø ca. mm ± 10%	Copper weight kg/km	Cable weight approx. kg/km	Tensile strength N	AWG no. *)
07901363XTBM	3x25+3x16/3E +3x2,5ST + 6ÜL KON	44,2	-	2975	1125	4
07901364XTBM	3x35+3x25/3E +3x2,5ST + 6ÜL KON	46,7	-	3420	1575	2
07901365XTBM	3x50+3x25/3E +3x2,5ST + 6ÜL KON	51,2	-	4257	2250	1
07901366XTBM	3x70+3x35/3E +3x2,5ST + 6ÜL KON	56,1	-	5268	3150	2/0
07901367XTBM	3x95+3x50/3E +3x2,5ST + 6ÜL KON	61,4	-	6538	4275	3/0
07901368XTBM	3x120+3x70/3E +3x2,5ST + 6ÜL KON	65,1	-	7637	5400	4/0

12/20 (24) kV

Part no.	No. of cores x cross-section n x mm ²	Outer-Ø ca. mm ± 10%	Copper weight kg/km	Cable weight approx. kg/km	Tensile strength N	AWG no. *)
07902363XTBM	3x25+3x16/3E +3x2,5ST + 6ÜL KON	50,5	-	3527	1125	4
07902364XTBM	3x35+3x25/3E +3x2,5ST + 6ÜL KON	53,3	-	4140	1575	2
07902365XTBM	3x50+3x25/3E +3x2,5ST + 6ÜL KON	58,4	-	5060	2250	1
07902366XTBM	3x70+3x35/3E +3x2,5ST + 6ÜL KON	62,0	-	6059	3150	2/0
07902367XTBM	3x95+3x50/3E +3x2,5ST + 6ÜL KON	68,1	-	7512	4275	3/0
07902368XTBM	3x120+3x70/3E +3x2,5ST + 6ÜL KON	71,9	-	8815	5400	4/0

Other construction and sizes are available on request

