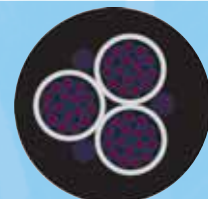




## FLEXIDRUM® MEDIUM RS-T (N)TSCGEWÖU

From 1,8/3 Kv to 12/20 Kv with antitwisting protection



### Construction:

<b>Conductor:</b>	tinned copper flexible class 5, acc. to DIN VDE 0295
<b>Insulation:</b>	EPR compound 3GI3
<b>Core Identification:</b>	POWER: natural color with black semi-conductive rubber EARTH: black
<b>Conductor covering:</b>	semi-conducting compound
<b>Stranding:</b>	Three main conductors placed with earth-conductor divided into three in the outer interstices.
<b>Wrapping:</b>	tear-resistant tape
<b>Antitwisting braid:</b>	anti-twisting of synthetic yarns
<b>Inner sheath:</b>	PCP compound 5GM5,
<b>Outer sheath:</b>	BLACK PCP compound 5GM5

### Technical data:

<b>Rated voltage:</b>	U <sub>o</sub> /U Kv 3,6/6 6/10 8,7/15 12/20 14/25 18/30
<b>Max perm. operating voltage in A.C. systems U<sub>o</sub>/U kV:</b>	4,2/7,2 6,9/12 10,4/18 13,9/24 17,3/30 20,8/36
<b>Max perm. operating voltage in D.C. systems U<sub>o</sub>/U kV:</b>	5,4/10 9/18 13,5/27 18/36 22,5/45 27/54
<b>A.C. test voltage:</b>	11,0 17,0 24,0 29,0 36,0 43,0
<b>Min. Bending radius:</b>	see MIN. BENDING RADIUS table
<b>Temperature range:</b>	Fixed installation: - 40°C + 80°C Flexible application: - 20°C + 60°C
<b>Max temperature on conductor:</b>	+90°C
<b>Max temperature in short circuit:</b>	+250°C
<b>Tensile load:</b>	up to 15 N/mm <sup>2</sup>
<b>Torsional stress:</b>	± 100°/m
<b>Oil resistant:</b>	acc. to DIN VDE 0473, part 811-2-1 par. 10, IEC-EN 60811-2-1
<b>Fire resistant:</b>	VDE 0482, part 332-1-2, IEC-EN 60322-1-2
<b>Weather resistance:</b>	outdoors and indoors use, resistant to ozone, UV, moisture and water resistant
<b>Approval on request:</b>	Gost-R and others

### Applications:

Suitable for connections to the excavators in open cast mines are subjected to extremely high mechanical abrasion and tear resistant.



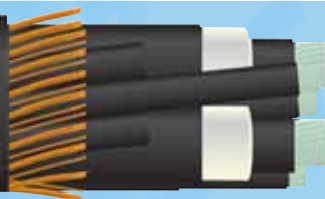
#### U<sub>o</sub>/U (Um) 1,8/3 kV

Part no.	No. of cores x cross-section n x mm <sup>2</sup>	Outer-Ø ca. mm ± 10%	Copper weight kg/km	Cable weight approx. kg/km	Tensile strength N	AWG no. *)
07950363T	3x25+3x25/3	37,3	960	2460	1125	4
07950364T	3x35+3x25/3	41,2	1248	3070	1575	2
07950365T	3x50+3x25/3	44,8	1680	3738	2250	1
07950366T	3x70+3x35/3	48,4	2352	4701	6150	2/0
07950367T	3x95+3x50/3	56,7	3216	6202	4275	3/0
07950368T	3x120+3x70/3	60,5	4128	7426	5400	4/0
07950369T	3x150+3x70/3	65,9	4992	8893	6750	250 MCM
07950370T	3x185+3x95/3	70,0	6240	10340	8325	350 MCM



# FLEXIDRUM® MEDIUM RS-T (N)TSCGEWÖU

From 1,8/3 Kv to 12/20 Kv with antitwisting protection



## Uo/U (Um) 3,6/6 kV

Other construction and sizes are available on request

Part no.	No. of cores x cross-section n x mm <sup>2</sup>	Outer-Ø ca. mm ± 10%	Copper weight kg/km	Cable weight approx. kg/km	Tensile strength N	AWG no. *)
07950663T	3x25+3x25/3	41,8	960	2580	1125	4
07950664T	3x35+3x25/3	44,2	1248	3045	1575	2
07950665T	3x50+3x25/3	47,4	1680	3675	2250	1
07950666T	3x70+3x35/3	54,3	2352	4952	6150	2/0
07950667T	3x95+3x50/3	57,9	3216	5940	4275	3/0
07950668T	3x120+3x70/3	61,2	4128	7212	5400	4/0
07950669T	3x150+3x70/3	66,6	4992	8620	6750	250 MCM
07950670T	3x185+3x95/3	70,5	6240	10030	8325	350 MCM

## Uo/U (Um) 6/10 kV

Part no.	No. of cores x cross-section n x mm <sup>2</sup>	Outer-Ø ca. mm ± 10%	Copper weight kg/km	Cable weight approx. kg/km	Tensile strength N	AWG no. *)
07951063T	3x25+3x25/3	43,5	960	2730	1125	4
07951064T	3x35+3x25/3	45,5	1248	3215	1575	2
07951065T	3x50+3x25/3	50,1	1680	3835	2250	1
07951066T	3x70+3x35/3	56,0	2352	5125	3150	2/0
07951067T	3x95+3x50/3	59,7	3216	6130	4275	3/0
07951068T	3x120+3x70/3	64,9	4128	7710	5400	4/0
07951069T	3x150+3x70/3	67,9	4992	8855	6750	250 MCM
07951070T	3x185+3x95/3	72,2	6240	10265	8352	350 MCM

## Uo/U (Um) 8,7/15 kV

Part no.	No. of cores x cross-section n x mm <sup>2</sup>	Outer-Ø ca. mm ± 10%	Copper weight kg/km	Cable weight approx. kg/km	Tensile strength N	AWG no. *)
07951563T	3x25+3x25/3	48,1	960	3223	1125	4
07951564T	3x35+3x25/3	52,5	1248	3915	1575	2
07951565T	3x50+3x25/3	55,6	1680	4600	2250	1
07951566T	3x70+3x35/3	60,7	2352	5773	3150	2/0
07951567T	3x95+3x50/3	66,2	3216	7268	4275	3/0
07951568T	3x120+3x70/3	69,4	4128	8435	5400	4/0
07951569T	3x150+3x70/3	73,1	4992	9632	6750	250 MCM
07951570T	3x185+3x95/3	78,7	6240	11450	8352	350 MCM

## Uo/U (Um) 12/20 kV

\* A protective earth conductor design ... 50/3 is also possible for application acc. to DIN VDE 0168

Part no.	No. of cores x cross-section n x mm <sup>2</sup>	Outer-Ø ca. mm ± 10%	Copper weight kg/km	Cable weight approx. kg/km	Tensile strength N	AWG no. *)
07952063T*	3x25+3x25/3	54,1	960	3930	1125	4
07952064T*	3x35+3x25/3	56,6	1248	4435	1575	2
07952065T*	3x50+3x25/3	59,8	1680	5175	2250	1
07952066T*	3x70+3x35/3	66,7	2352	6620	3150	2/0
07952067T	3x95+3x50/3	70,3	3216	7930	4275	3/0
07952068T	3x120+3x70/3	73,8	4128	9140	5400	4/0
07952069T	3x150+3x70/3	79,2	4992	10700	6750	250 MCM
07952070T	3x185+3x95/3	82,9	6240	12230	8352	350 MCM

## Uo/U (Um) 18/30 kV

Part no.	No. of cores x cross-section n x mm <sup>2</sup>	Outer-Ø ca. mm ± 10%	Copper weight kg/km	Cable weight approx. kg/km	Tensile strength N	AWG no. *)
07953063T*	3x25+3x25/3	67,3	960	6670	1125	4
07953064T*	3x35+3x25/3	73,2	1248	7370	1575	2
07953065T*	3x50+3x25/3	74,5	1680	8455	2250	1
07953066T*	3x70+3x35/3	77,7	2352	9670	3150	2/0
07953067T	3x95+3x50/3	82,1	3216	10950	4275	3/0
07953068T	3x120+3x70/3	87,9	4128	12812	5400	4/0
07953069T	3x150+3x70/3	91,6	4992	14230	6750	250 MCM
07953070T	3x185+3x95/3	97,5	6240	16370	8352	350 MCM