

Gummileitungen / Rubber Cables

(N)TSCGEWUEU-F

Medium voltage, flexible power supply cable for fixed installations.
Medium voltage, flexible power supply cable for fixed installations.



Verwendung:

Flexible power supply cable for fixed installations in strip and open-pit mining facilities, alongside belt conveyors also for continuous slight movements (free overhand, slight twisting). Can also be used as connection cable between upper and lower part of excavator, stacker/reclaimer. It is suitable also for constant operation in water as power supply cable to submersible pumps.
[INDEX:20201001SQ]

Aufbau:

- Electrical field control: Inner and outer layers of semiconductive rubber
- Core arrangement: Three power conductors laid-up with double concentric control/protective conductor elements in the outer interstices, with optimised lay length.
- Inner sheath: Special EPR compound (acc. to DIN VDE 0207, Part 21)
- Standard: based on DIN VDE 0250, p 813

Technische Daten:

Leiter Werkstoff	
Leiterklasse	Finely stranded class 5 (EN 60228, DIN VDE 0295) nont tinned, electrolytic copper.
Aderisolationwerkstoff	EPR compound with improved electrical and mechanical characteristics (DIN VDE 0207, Part 20).
Aderkennung	Natural colouring with black semiconductive rubber with printed white numbers 1-3.
Verseilung	
Außenmantelwerkstoff	5GM5 compound with improved mechanical characteristics (acc. to DIN VDE 0207, Part 21), waterproof.
Mantelfarbe	Rot
Nennspannung [V]	3.6/6 kV 6/10 kV 8.7/15 kV 12/20 kV 14/25 kV 18/30 k
Prüfspannung [V]	11k V bis 43 k
Leiterwiderstand	
Isolationswiderstand	
Strombelastbarkeit	
kleinster Biegeradius fest [xd]	
kleinster Biegeradius bewegt [xd]	
Betriebstemp. fest min/max [C]	-40°C bis +90
Betriebstemp. bew. min/mac [C]	-25°C bis +80
Temperatur am Leiter max.	+90°C
Brandverhalten	
Normen	- Resistance to oil: EN 60811-2-1, IEC 60811-2-1 - Behaviour in case of fire: VDE 0482 Part 332-1-2, EN 60332-1-2, IEC 60332-1-2 - Water compatibility: HD 22.16 (VDE 0282 Oart 16) - Weather resistance: Unrestricted use indoors,

Application:

Flexible power supply cable for fixed installations in strip and open-pit mining facilities, alongside belt conveyors also for continuous slight movements (free overhand, slight twisting). Can also be used as connection cable between upper and lower part of excavator, stacker/reclaimer. It is suitable also for constant operation in water as power supply cable to submersible pumps.
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Construction:

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- Standard: based on DIN VDE 0250, p 813

Technical Data:

Conductor Material	*
Conductor class	Finely stranded class 5 (EN 60228, DIN VDE 0295) nont tinned, electrolytic copper.
core insulation	EPR compound with improved electrical and mechanical characteristics (DIN VDE 0207, Part 20).
core identification	Natural colouring with black semiconductive rubber with printed white numbers 1-3.
stranding	*
outer sheath	5GM5 compound with improved mechanical characteristics (acc. to DIN VDE 0207, Part 21), waterproof.
sheath colour	red
rated voltage [V]	3.6/6 kV 6/10 kV 8.7/15 kV 12/20 kV 14/25 kV 18/30 k
testing voltage [V]	11k V to 43 k
conductor resistance	*
insulation resistance	*
current carrying capacity	*
min. bending radius fixed [xd]	*
min. bending radius moved [xd]	*
working temp fixed min/max [C]	-40°C up to +90
working temp moved min/mac [C]	-25°C up to +80 °C
temp at conductor max.	+90°C
burning behaviour	*
Approvals	- Resistance to oil: EN 60811-2-1, IEC 60811-2-1 - Behaviour in case of fire: VDE 0482 Part 332-1-2, EN 60332-1-2, IEC 60332-1-2 - Water compatibility: HD 22.16 (VDE 0282 Oart 16) - Weather resistance: Unrestricted use indoors, outdoors,

Kabel / Cable

Art Nr. Part No.	Adern x Querschnitt no. of cores x cross section	Außen Ø ca. mm outer Ø ca. mm	CU Gewicht kg/100m copper weight kg/100m	Gewicht kg/100m weight kg/100m
	3 x 10 + 3x50/3 3.6/6 kV	50.00	0.00	478.00
	3 x 25 + 3x25/3 3.6/6 kV	39.20	0.00	247.50
	3 x 25 + 3x50/3 3.6/6 kV	43.60	0.00	322.50
	3 x 25 + 3x25/3 6/10 kV	41.90	0.00	271.60
	3 x 25 + 3x50/3 6/10kV	43.60	0.00	322.00
	3 x 25 + 3x25/3 8.7/15 kV	45.30	0.00	304.00
	3 x 25 + 3x50/3 8.7/15 kV	46.20	0.00	347.00
	3 x 25 + 3x25/3 12/20 kV	48.30	0.00	334.50
	3 x 25 + 3x50/3 12/20 kV	48.30	0.00	369.00
	3 x 25 + 3x25/3 14/25 kV	54.40	0.00	403.00
	3 x 25 + 3x50/3 14/25 kV	54.40	0.00	438.00
	3 x 25 + 3x25/3 18/30 kV	57.90	0.00	445.00
	3 x 25 + 3x50/3 18/30 kV	57.90	0.00	480.00
	3 x 35 + 3x25/3 3.6/6 kV	42.70	0.00	295.00
	3 x 35 + 3x50/3 3.6/6 kV	45.30	0.00	354.00
	3 x 35 + 3x25/3 6/10 kV	44.00	0.00	306.50
	3 x 35 + 3x50/3 6/10 kV	46.20	0.00	362.50
	3 x 35 + 3x25/3 8.7/15 kV	47.50	0.00	340.00
	3 x 35 + 3x50/3 8.7/15 kV	47.50	0.00	375.50
	3 x 35 + 3x25/3 12/20 kV	50.50	0.00	372.50
	3 x 35 + 3x50/3 12/20 kV	50.50	0.00	407.50
	3 x 35 + 3x25/3 14/25 kV	56.60	0.00	444.00
	3 x 35 + 3x50/3 14/25 kV	56.60	0.00	479.00
	3 x 35 + 3x25/3 18/30 kV	60.00	0.00	487.50
	3 x 35 + 3x50/3 18/30 kV	60.00	0.00	522.00
	3 x 50 + 3x25/3 3.6/6 kV	46.20	0.00	356.50
	3 x 50 + 3x50/3 3.6/6 kV	46.60	0.00	396.00
	3 x 50 + 3x25/3 6/10 kV	47.50	0.00	369.00
	3 x 50 + 3x50/3 6/10 kV	47.50	0.00	404.00
	3 x 50 + 3x25/3 8.7/15 kV	50.90	0.00	406.00
	3 x 50 + 3x50/3 8.7/15 kV	50.90	0.00	440.00
	3 x 50 + 3x25/3 12/20 kV	55.70	0.00	462.50
	3 x 50 + 3x50/3 12/20 kV	55.70	0.00	497.50
	3 x 50 + 3x25/3 14/25 kV	60.00	0.00	516.00
	3 x 50 + 3x50/3 14/25 kV	60.00	0.00	551.00
	3 x 50 + 3x25/3 18/30 kV	65.30	0.00	588.50

Art Nr. Part No.	Adern x Querschnitt no. of cores x cross section	Außen Ø ca. mm outer Ø ca. mm	CU Gewicht kg/100m copper weight kg/100m	Gewicht kg/100m weight kg/100m
	3 x 50 + 3x50/3 18/30 kV	65.30	0.00	623.00
	3 x 70 + 3x35/3 3.6/6 kV	50.00	0.00	456.00
	3 x 70 + 3x50/3 3.6/6 kV	50.00	0.00	478.00
	3 x 70 + 3x35/3 6/10 kV	53.10	0.00	491.50
	3 x 70 + 3x50/3 6/10 kV	53.10	0.00	514.00
	3 x 70 + 3x35/3 8.7/15 kV	56.60	0.00	532.00
	3 x 70 + 3x50/3 8.7/15 kV	56.60	0.00	554.50
	3 x 70 + 3x35/3 12/20 kV	59.60	0.00	569.50
	3 x 70 + 3x50/3 12/20 kV	59.60	0.00	592.00
	3 x 70 + 3x35/3 14/25 kV	65.70	0.00	653.50
	3 x 70 + 3x50/3 14/25 kV	65.70	0.00	676.00
	3 x 70 + 3x35/3 18/30 kV	69.10	0.00	703.00
	3 x 70 + 3x50/3 18/30 kV	69.10	0.00	726.00
	3 x 95 + 3x50/3 3.6/6 kV	54.50	0.00	575.00
	3 x 95 + 3x50/3 6/10 kV	55.80	0.00	590.00
	3 x 95 + 3x50/3 8.7/15 kV	59.20	0.00	632.50
	3 x 95 + 3x50/3 12/20 kV	65.00	0.00	712.50
	3 x 95 + 3x50/3 14/25 kV	69.30	0.00	775.00
	3 x 95 + 3x50/3 18/30 kV	72.80	0.00	827.50
	3 x 120 + 3x70/3 3.6/6 kV	57.10	0.00	660.00
	3 x 120 + 3x70/3 6/10 kV	58.40	0.00	676.00
	3 x 120 + 3x70/3 8.7/15 kV	63.10	0.00	738.00
	3 x 120 + 3x70/3 12/20 kV	67.60	0.00	804.00
	3 x 120 + 3x70/3 14/25 kV	71.90	0.00	868.00
	3 x 120 + 3x70/3 18/30 kV	77.20	0.00	954.50
	3 x 150 + 3x70/3 3.6/6 kV	64.80	0.00	814.00
	3 x 150 + 3x70/3 6/10 kV	66.10	0.00	832.00
	3 x 150 + 3x70/3 8.7/15 kV	69.60	0.00	882.00
	3 x 150 + 3x70/3 12/20 kV	72.60	0.00	928.00
	3 x 150 + 3x70/3 14/25 kV	76.90	0.00	997.00
	3 x 150 + 3x70/3 18/30 kV	82.10	0.00	1088.00
	3 x 185 + 3x95/3 3.6/6 kV	69.60	0.00	964.00
	3 x 185 + 3x95/3 6/10 kV	70.80	0.00	983.00
	3 x 185 + 3x95/3 8.7/15 kV	74.30	0.00	1036.50
	3 x 185 + 3x95/3 12/20 kV	79.10	0.00	1118.00
	3 x 185 + 3x95/3 14/25 kV	83.40	0.00	1193.00

Kontakt:

Kabel / Cable

Art Nr. Part No.	Adern x Querschnitt no. of cores x cross section	Außen Ø ca. mm outer Ø ca. mm	CU Gewicht kg/100m copper weight kg/100m	Gewicht kg/100m weight kg/100m
	3 x 185 + 3x95/3 18/30 kV	86.80	0.00	1255.50
	3 x 240 + 3x120/3 3.6/6 kV	74.50	0.00	1175.00
	3 x 240 + 3x120/3 6/10 kV	77.60	0.00	1227.60
	3 x 240 + 3x120/3 8.7/15 kV	81.00	0.00	1286.00
	3 x 240 + 3x120/3 12/20 kV	84.00	0.00	1339.50
	3 x 240 + 3x120/3 14/25 kV	88.30	0.00	1418.50
	3 x 240 + 3x120/3 18/30 kV	91.80	0.00	1485.00
	3 x 300 + 3x150/3 3.6/6 kV	81.20	0.00	1444.00
	3 x 300 + 3x150/3 6/10 kV	82.50	0.00	1466.60
	3 x 300 + 3x150/3 8.7/15 kV	86.00	0.00	1529.00
	3 x 300 + 3x150/3 12/20 kV	89.00	0.00	1585.00
	3 x 300 + 3x150/3 14/25 kV	93.30	0.00	1669.00
	3 x 300 + 3x150/3 18/30 kV	96.70	0.00	1739.00