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Gummileitungen / Rubber Cables

(N)TSKGECWOEU-FN

Medium voltage, flexible power supply cable for underground festoon systems.
Medium voltage, flexible power supply cable for underground festoon systems.

Verwendung:

Flexible power supply cable for use in underground mining facilities especially for festoon systems.
[INDEX:20201001SQ]

Aufbau:

- Control/protective conductor: Spirally applied concentric CuSn wires forming control conductors around support element, EPR insulation and spirally applied concentric CuSn wires to form protective conductor.
- Electrical field control: Inner and outer layers of semiconductive rubber
- Inner sheath: GM1b (acc. to DIN VDE 0207, Part 21)
- Core arrangement: Three power conductors laid-up with double concentric control/protective conductor elements in the outer interstices, with optimised lay length.
- Signal/monitoring conductor: Spirally applied FeZn and CuSn wires in a vulcanized bond between inne rand outer sheath.
- Standard: based on DIN VDE 0250 p. 813

Technische Daten:

Leiter Werkstoff	
Leiterklasse	Finely stranded class 5 (EN 60228, DIN VDE 0295) tinned, electrolytic copper.
Aderisolationwerkstoff	EPR compound with improved electrical and mechanical characteristics (DN VDE 0207, Part 20).
Aderkennung	Natural colouring with black semiconductive rubber with printed white numbers 1-3.
Verseilung	
Außenmantelwerkstoff	5GM5 compund with improved mechanical characteristics.
Mantelfarbe	Rot
Nennspannung [V]	3.6 / 6 k
Prüfspannung [V]	11 k
Leiterwiderstand	
Isolationswiderstand	
Strombelastbarkeit	According to DIN VDE 0298, Part 4
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 - Weather resistance: Unrestricted use indoors, outdoors, resistance to ozone, UV and moisture.

Application:

Flexible power supply cable for use in underground mining facilities especially for festoon systems.
[INDEX:20201001SQ]

Construction:

- Control/protective conductor: Spirally applied concentric CuSn wires forming control conductors around support element, EPR insulation and spirally applied concentric CuSn wires to form protective conductor.
- Electrical field control: Inner and outer layers of semiconductive rubber
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- Core arrangement: Three power conductors laid-up with double concentric control/protective conductor elements in the outer interstices, with optimised lay length.
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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) tinned, electrolytic copper.
core insulation	EPR compound with improved electrical and mechanical characteristics (DN VDE 0207, Part 20).
core identification	Natural colouring with black semiconductive rubber with printed white numbers 1-3.
stranding	*
outer sheath	5GM5 compund with improved mechanical characteristics.
sheath colour	Red
rated voltage [V]	3.6 / 6 k
testing voltage [V]	11 k
conductor resistance	*
insulation resistance	*
current carrying capacity	According to DIN VDE 0298, Part 4
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
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 - Weather resistance: Unrestricted use indoors, outdoors, resistance to ozone, UV and moisture.

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 35 + 3x(1,5St KON+3x25/3KON) +	50.10	0.00	412.00
	3 x 50 + 3x(1,5St KON+3x25/3KON) +	54.50	0.00	500.00
	3 x 70 + 3x(1,5St KON+3x35/3KON) +	58.50	0.00	606.00
	3 x 95 + 3x(1,5St KON+3x50/3KON) +	65.00	0.00	731.00
	3 x 120 + 3x(1,5St KON+3x70/3KON)	68.20	0.00	867.00

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