RHEYCORD® NSHTOEU-J

Reeling Cables

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0.6/1 kV

Approval/Certificates
VDE

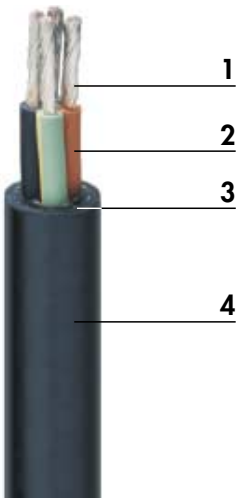
Applications
Rubber reeling cable for control and power supplies.
For applications with high mechanical stresses, especially for simultaneous tensile and torsion stresses. Suitable for motor-driven reels, spring-operated reels, festoon- and hoisting systems.

Design
1. Conductor
Copper tinned, flexible stranded, class 5 according to IEC 60228, DIN VDE 0295

2. Insulation
EPR (ethylene propylene rubber) rubber compound 3GI3 refer to DIN VDE 0207 part 20

3. Inner sheath
Rubber compound 5GM3/GM1b refer to DIN VDE 0207 part 21

4. Outer sheath
PCP (polychloroprene) heavy duty abrasion and notch-resistant, with antitorsion braid integrated in the jacket
Colour: black
rubber compound 5GM5 refer to DIN VDE 0207 part 21



Marking
RHEYCORD NSHTOEU-J
90/-35 1kV

Core identification
(DIN VDE 0293 part 308/HD 308 S2)
Colour code:
4 cores: green/yellow-brown-black-grey
5 cores: green/ yellow-blue-brown-black-grey
≥ 5 cores: black with printed numbers – green/ yellow (in the outer layer)

Standards
DIN VDE 0250 part 814

Options
Further numbers of cores and cross-section upon request

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Cable characteristics

Mechanical properties

Minimum bending radii:	outer diameter d	
	15 - 20 mm	**> 20 mm**
Flexible operation	5 d	5 d
With strain relief	5 d	5 d
Forced guidance e.g.:		
Reeling applications	5 d	6 d
Festoon systems	5 d	5 d
E-chain cable carrier systems	5 d	5 d
Static	4 d	4 d
Minimum distance between two bends (S-shape deflection)	20 d	20 d

Travelling speed up to 120 m/min

Chemical properties

Oil resistant
For indoor and outdoor applications. Moisture, UV and ozone resistant.

Electrical and Thermal properties

Nominal voltage	Uo/U = 0.6/1 kV
Maximum operating voltage in AC systems	Uo/U = 0.72/1.2 kV
Test voltage 50 Hz, 5 min	energy core 2,500 V
	control core 2,000 V
Current rating (A)	according to DIN VDE 0298 part 4
Max. temperature at the conductor	
in service	+ 90 °C
in short circuit	+ 200 °C
Max. surface temperature	
fixed installation	– 45 °C to +90 °C
flexible operation	– 35 °C to +90 °C
Max. static tensile stress of the conductor	15 N/mm^2