

RHEYFLEX® 500 CY

300 / 500 V

Description

Approval certificates

VDE Reg N° 8788

Application

In dry and moist rooms for light and medium mechanical stresses. Outdoors only protected. Not in Water. As supply or interconnecting cable for measuring, controlling and regulating, according to DIN VDE 0113 for computer units for control equipments on machine tools, assembly lines. For control equipment on conveyors and production lines for controlling, regulating, and monitoring work processes, industrial plants and production lines when temporarily freely moved and no periodic recurrence without forced guidance. This product is also part of our Windlink® offer dedicated to wind turbines.



Design

- Conductor: Copper bare stranded, VDE 0295 Class 5
- Insulation: PVC Type YI 2 (Polyvinyl chloride)
- Screen: Al coated tape, tinned copper braid
- Outer sheath: PVC Type YM 2 (Polyvinyl chloride), colour grey

Core identification

- according to DIN VDE 0293:1990-01
- JZ/OZ: black, white printed numbers and with/or without green/yellow core.
- JB: coloured cores according to HD 308 S2

Packaging

- on request

Standards

International IEC 60298



Conductor flexibility
Flexible class
5



Lead free
Yes



Rated Voltage
U_o/U (Um)
300 / 500 V



Mechanical resistance to impacts
Normal industrial



Cable flexibility
Semi-flexible



Flame retardant
IEC 332-1



Electro magnetic interference resistance
Yes



Dynamic bending factor
10 (xD)

RHEYFLEX® 500 CY

Characteristics

Construction characteristics	
Conductor material	Bare copper
Conductor flexibility	Flexible class 5
Insulation	PVC compound type YI 2
Screen	Tinned copper braid
Outer sheath	PVC compound type YM 2
Sheath colour	Grey
Lead free	Yes
Electrical characteristics	
Test voltage	2 kV
Rated Voltage U _o /U (Um)	300 / 500 V
Mechanical characteristics	
Mechanical resistance to impacts	Normal industrial use
Cable flexibility	Semi-flexible
Usage characteristics	
Flame retardant	IEC 332-1
Electro magnetic interference resistance	Yes
Dynamic bending factor	10 (xD)
Ambient static operating temperature, range	-40 .. 70 °C
Ambient dynamic operating temperature, range	-15 .. 70 °C
Ozone resistance	Yes
RoHS compliant	Yes
Silicon free	Yes
Bending factor when installed	6 (xD)

Product List

☎=Make to order, 📦=In stock

Nexans ref.	Packaging	Number of cores	Conductor cross-section (mm ²)	Nominal outer diameter (mm)	Approximate net weight (kg/km)	Copper content (kg/km)
📦 3x1.5CY	longest length	3	1.5	7.3	80.5	71
📦 4x1.5CY	longest length	4	1.5	7.9	99.7	86
📦 3x2.5CY	longest length	3	2.5	8.8	121.5	111
📦 4x2.5CY	longest length	4	2.5	9.6	151.6	137
📦 5x2.5CY	longest length	5	2.5	10.4	183.1	159

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Selling information

Marking

- Nexans Rheyflex® 500 -CY-JZ 300/500V n G s VDE Reg. No 8788 CE RoHS conform

Contact

Cables for Industrial Applications
Phone: 01908 250840
iandi.sales@nexans.com

RHEYFLEX® 500 CY

- Nexans Rheyflex® 500 -CY-OZ 300/500V n x s VDE Reg. No 8788 CE RoHS conform
- Nexans Rheyflex® 500 -CY-JB 300/500V n G s VDE Reg. No 8787 CE RoHS conform
- Nexans Rheyflex® 500 -CY-OB 300/500V n x s VDE Reg. No 8788 CE RoHS conform