

RHEYFLEX® 500 YSY

300 / 500 V

Description

Approval certificates

VDE Reg N° 8787

Application

In dry and moist rooms for light mechanical stresses. Outdoors only when 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. Cross section above 10 mm² are for energy supply. Cores are normally identify by colours to VDE 0293. This product is also part of our Windlink® offer dedicated to wind turbines.



Standards

International IEC 60227; IEC 60298

Design

- Conductor

Copper bare stranded, VDE 0295 Class 5

- Insulation

PVC Type Y1 2 (Polyvinyl chloride)

- Inner sheath

PVC (polyvinyl chloride)

- Screen

Galvanized steel braid

- Outer sheath

PVC Type YM 2 (Polyvinyl chloride), colour transparent

Core identification

- according to DIN VDE 0293:1990-01
- JZ/OZ: colour black, white printed numbers 1,2,3...and with/or without green/yellow core.
- JB: coloured cores according to HD 308 S2

Packaging

- on request


 Lead free
Yes

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

 Mechanical
resistance to
impacts
Normal industrial

 Flame
retardant
IEC 332-1

 RoHS
compliant
Yes

 Ambient static operating
temperature, range
-40 .. 70 °C

 Ambient dynamic
operating temperature,
range
-15 .. 70 °C

RHEYFLEX® 500 YSY

Characteristics

| Construction characteristics | |
|---|------------------------|
| Conductor material | Bare copper |
| Insulation | PVC compound type YI 2 |
| Screen | Galvanized steel braid |
| Outer sheath | PVC compound type YM 2 |
| Sheath colour | Transparent |
| Lead free | Yes |
| Electrical characteristics | |
| Rated Voltage U _o /U (U _m) | 300 / 500 V |
| Mechanical characteristics | |
| Mechanical resistance to impacts | Normal industrial use |
| Usage characteristics | |
| Flame retardant | IEC 332-1 |
| RoHS compliant | Yes |
| Silicon free | Yes |
| Ambient static operating temperature, range | -40 .. 70 °C |
| Ambient dynamic operating temperature, range | -15 .. 70 °C |
| Ozone resistance | Yes |

Selling information

Marking

- Rheyflex® 500 -YSY-JZ 300/500V n G s VDE Reg. No 8787 CE RoHS conform
- Rheyflex® 500 -YSY-OZ 300/500V n x s VDE Reg. No 8787 CE RoHS conform
- Rheyflex® 500 -YSY-JB 300/500V n G s VDE Reg. No 8787 CE RoHS conform