

#6349 - 16x2x0.5 100 Ohm Multipair Cable



RG Wire & Cable Ltd

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Product Description

Application:

Cable Construction

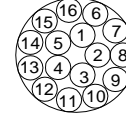
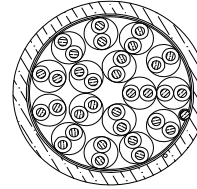
| | |
|--------------------------|--------------------------------|
| 1 Conductor | Bare Copper |
| Construction | 0.50 |
| 2 Insulation | PVC |
| Thickness (mm) | 0.21 |
| Diameter (mm) | 0.92x2C Twist |
| Color | See Table 1 |
| 3 Mylar | ≥115% |
| 4 Drain wire (per pair) | Tinned Copper |
| Diameter (mm) | 0.50 |
| 5 Total Al-Pet-Al shield | ≥115% |
| 6 Rip cord | Nylon |
| 6 Jacket | PVC |
| Thickness (mm) | 1.00 |
| Diameter (mm) | 9.60 (Max 9.80) |
| Color | Grey (RAL 7032) |
| 7 Marking | RG Wire & Cable #6349 |
| (Black ink, once/meter) | 16-PAIR 24 AWG 75C YYWW [xxxM] |

Packaging

500m/wooden drum

Environmental Compliance

- CE: EU Directive 2011/65/EU (RoHS2):
This product complies with European Directive 2011/65/EU (RoHS Directive) of the European Parliament and of the Council of 8 June 2011. No exemptions are required for RoHS compliance on this item.
- REACH Regulation (EC 1907/2006):
This product does not contain Substances of Very High Concern (SVHC) listed on the European Union's REACH candidate list in excess of 0.1% mass of the item.



General Characteristics

| | |
|--|--------------------|
| Temperature rating (°C) - during installing | 0~+50 |
| Temperature rating (°C) - fixed installing and storage | -20~+70 |
| Minimum static bending radius (mm) | 5x cable diameter |
| Minimum dynamic bending radius (mm) | 10x cable diameter |
| Nominal weight (kg/km) | 129 |
| Flammability | IEC 60332-1 |

Electrical Characteristics

| | |
|--|--------|
| Low frequency | |
| - Conductor resistance at 20°C (Ω/km) | ≤104.8 |
| - Dielectric strength (V) | >1500 |
| - Insulation resistance at 200V (during 2 min) (MΩ.km) | >500 |
| - Capacitance unbalance at 800Hz (pF/500m) | ≤400 |
| High frequency | |
| - Characteristic impedance at 700 kHz (Ω) | 100±20 |
| - Nominal attenuation at 700 kHz (dB/km) | ≤27 |
| - Nominal attenuation at 700 kHz (dB/km) for 2/2 | ≤32 |
| - Minimum NEXT and FEXT at 700 kHz (dB) | 44 |

Table 1

| Pair | A | B | Pair | A | B |
|------|------------|-----------|------|--------|------------|
| 1 | Light Blue | White | 17 | Orange | Yellow |
| 2 | Light Blue | Dark Blue | 18 | Orange | Brown |
| 3 | Light Blue | Yellow | 19 | Orange | Black |
| 4 | Light Blue | Brown | 20 | Orange | Red |
| 5 | Light Blue | Black | 21 | Orange | Green |
| 6 | Light Blue | Red | 22 | Violet | White |
| 7 | Light Blue | Green | 23 | Violet | Dark Blue |
| 8 | Grey | White | 24 | Violet | Yellow |
| 9 | Grey | Dark Blue | 25 | Violet | Brown |
| 10 | Grey | Yellow | 26 | Violet | Black |
| 11 | Grey | Brown | 27 | Violet | Red |
| 12 | Grey | Black | 28 | Violet | Green |
| 13 | Grey | Red | 29 | White | Light Blue |
| 14 | Grey | Green | 30 | White | Grey |
| 15 | Orange | White | 31 | White | Orange |
| 16 | Orange | Dark Blue | 32 | White | Violet |

Reference

Customer part number 1714835-1
Naxans ABS050P016 (1AC016360002) DTS LFMP ED 02 – December - 05

| CV | Notes | D | R | Date |
|-----|---|----|----|------------|
| A01 | Production release | AZ | PS | 2017-11-10 |
| A02 | Update cable drawing and add flammability | AZ | PS | 2017-11-13 |
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