



Part Number: 120571C-LSNH-VLT

Description: WEBNET Cat 6A 23awg 4pair U/FTP Low Smoke Non-Halogen (LSNH) Violet

Product Construction

| | | |
|---------------------|---|---|
| Conductor Material | : | Bare Copper, Solid |
| Conductor Size | : | 23(1)awg |
| Insulation Material | : | Skin/Foam/Skin Polyethylene (SFSPE) |
| Number of Pairs | : | 4 |
| Pair Colours | : | Blue/White; Orange/White; Green/White; Brown/White |
| Common Drain Wire | : | Tinned Copper, 1/0.4mm |
| Screening 1 | : | Ind. Aluminium Foil Screened Pairs, ≥ 100% Coverage |
| Sheath Material | : | Low Smoke Non-Halogen (LSNH) |
| Sheath Colour | : | Violet |



Mechanical Characteristics

| | | |
|-------------------|---|--|
| Overall Diameter | : | 7.7mm ± 0.2mm |
| Temperature Range | : | Fixed -20°C to +70°C Flexing 0°C to +50°C |
| Bend Radius | : | Fixed 4 x Overall Diameter Flexing 8 x Overall Diameter |
| Weight | : | 66 kg/km |

Electrical Characteristics

| | | |
|-------------------------------------|---|----------------|
| Max. Conductor DC Resistance @ 20°C | : | ≤ 9.5 Ω/km |
| Max. Resistance Unbalanced | : | < 2% |
| Max. Insulation Resistance | : | > 5000 MΩ x m |
| Mutual Capacitance | : | < 56 pF/m |
| Capacitance Unbalanced | : | 1600 pF/km |
| Impedance @ 100 MHz | : | 100 Ω ± 5 |
| Velocity of Propagation | : | 76 % |
| Delay Skew | : | < 25 ns / 100m |
| Voltage Rating | : | 125V |

| Frequency (MHz) | Attenuation (dB/100m) | NEXT (dB) | PS – NEXT (dB) | ACR (dB/100m) | PS – ACR (dB/100) | ACRF (dB/100m) | PS-ACRF (dB/100m) | Return Loss (dB) |
|-----------------|-----------------------|-----------|----------------|---------------|-------------------|----------------|-------------------|------------------|
| 1 | 2.0 | 95 | 92 | 90 | 87 | 100 | 97 | 25 |
| 4 | 3.6 | 95 | 92 | 90 | 87 | 100 | 97 | 25 |
| 10 | 5.4 | 95 | 92 | 85 | 82 | 90 | 87 | 28 |
| 100 | 18.3 | 87 | 84 | 75 | 72 | 75 | 72 | 25 |
| 200 | 25.0 | 87 | 84 | 75 | 72 | 70 | 67 | 25 |
| 250 | 29.1 | 85 | 82 | 52 | 49 | 65 | 62 | 23 |
| 400 | 37.4 | 75 | 72 | 41 | 48 | 55 | 52 | 23 |
| 500 | 41.5 | 75 | 72 | 30 | 27 | 55 | 52 | 21 |

Performance @ 20°C

Certifications & Standards

| | | | | | |
|-------------------------------|---|--|------------------|---|-----|
| Flame Retardancy | : | BS EN 60332-1-2 | RoHS 3 Compliant | : | Yes |
| Low Smoke | : | BS EN 61034-2 | REACH Compliant | : | Yes |
| Halogen Gas | : | BS EN 60754-1&2 | | | |
| Manufactured in Accordance to | : | TIA/EIA 568-C.2, IEC 11801 Class Ea, EN 50288-4-1, ISO/IEC 61156-5, EN 50173-1 | | | |
| CE CPR Classification | : | Cca s1a. d1. a1 to EN 50575:2014+A1:2016 | | | |



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Webro Cables & Connectors Ltd
 Vision House, Meadow Brooks Business Park, Meadow Lane, Long Eaton, Nottingham NG10 2GD, UK
 Tel: +44 (0)115 9724483 • Fax: +44 (0)115 9461230 • sales@webro.com • www.webro.com

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