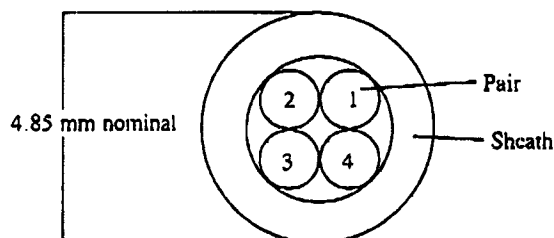


INFORMATION SHEET
FOR
4 PAIR 24 AWG CATEGORY 5 UNSCREENED TWISTED PAIR (UTP) CABLE
BICC BRAND-REX REF C5U

**CABLE ASSEMBLY**

| | | <u>Nominal Diameter</u> |
|-------------------|---|-------------------------|
| | | (mm) |
| Conductor | : 24 AWG solid plain copper wire | 0.51 |
| Insulation | : Polyolefin, to | 0.94 |
| Pair | : 2 cores twisted together to form a pair, with colours as follows:- | |
| | Pair 1 WHITE/Blue BLUE | |
| | Pair 2 WHITE/Orange ORANGE | |
| | Pair 3 WHITE/Green GREEN | |
| | Pair 4 WHITE/Brown BROWN | |
| Lay Up | : Pairs 1 to 4 cabled together | |
| Sheath | : PVC Grey RAL 7037, and printed with sequential metre length numbers | 4.85 |

PHYSICAL CHARACTERISTICS

| | |
|---|----------------|
| Nominal cable weight | 30.2 kg/km |
| Minimum bending radius for installation | 40 mm |
| Minimum installed bending radius | 20 mm |
| Maximum installation pulling force | 85 N |
| Operating temperature range | -20°C to +60°C |

ELECTRICAL PARAMETERS

| | |
|---|-----------|
| Maximum dc conductor resistance at 20°C | 93.8 Ω/km |
| Nominal impedance 1 to 100 MHz | 100 Ω |
| Nominal mutual capacitance at 1 KHz | 51 pF/m |

| Parameter | Frequency (MHz) | | | | | | | |
|---------------------------------|-----------------|-----|-----|-----|-----|-------|------|------|
| | 1 | 4 | 10 | 16 | 20 | 31.25 | 62.5 | 100 |
| Maximum Attenuation (dB/100m) | 2.1 | 4.3 | 6.6 | 8.2 | 9.2 | 11.8 | 17.1 | 22.0 |
| Minimum Near End Crosstalk (dB) | 62 | 53 | 47 | 44 | 42 | 40 | 35 | 32 |

STANDARDS

Compliant with ISO/IEC 11801, EN 50173, TIA/EIA 568A and IEC 332-1 Flame Test.

QUALIFICATION

Qualified by 3P Third Party Testing, Denmark for UTP Category 5 cable.

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