

Domestic Side Local Network Telecom Cable

PACW/Cell PE Insulation/PJ Filled/PE Sheathed/ Corrugated Steel Tape
Armour/PE Oversheath
External Telephone Cable (Complies with BCC Specifications CW1128)



CW1128 / CST armour) / 0.50Cu

Application

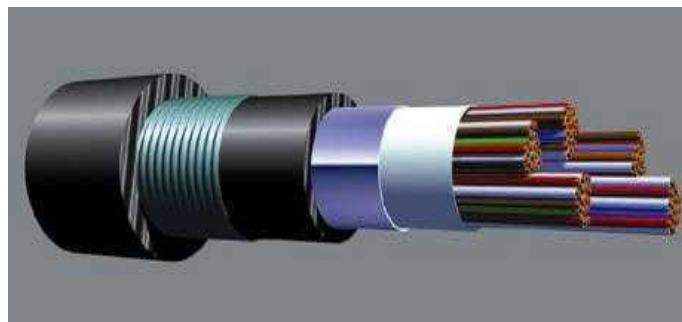
The cable is designed primarily for direct burial in the 'D' or Secondary side of local telecommunications networks. The cable core comprises units of cellular polyethylene insulated twin conductors flooded with petroleum jelly and wrapped with a paper tape. The cable core is then covered with a black polyethylene inner sheath. A bonded layer of corrugated steel tape then applied over the inner sheathed cable and an outer sheath of PE is applied over the armour tape. The product is also available with a PVC outer sheath in lieu of polyethylene and with filling compound suitable for tropical climates with a drop point greater than 80°C.

Construction

Twisted pairs in 10 Pair Units. The pair range is 2 - 100.

Product description

Plain annealed solid copper wire, cellular polyethylene insulation, twisted pairs, petroleum jelly filling, paper core wrap and black low-density polyethylene sheath.



| No. Pairs | Cu Size (mm) | Nom Ins Dia (mm) | Min Sheath Radial | Resistance @ 20°C (ohms/km) | | Mutual Capacitance (nF/km) | | Maximum Overall |
|-----------|--------------|------------------|-------------------|-----------------------------|-----------|----------------------------|-----------|-----------------|
| | | | | Max Ave | Max (99%) | Max Ave | Max (99%) | |
| 2 | 0.50 | 0.90 | 1.1 | 91 | 96 | 56 | 64 | 14.2 |
| 5 | 0.50 | 0.90 | 1.1 | 91 | 96 | 56 | 64 | 14.7 |
| 6 | 0.50 | 0.90 | 1.1 | 91 | 96 | 56 | 64 | 15.3 |
| 10 | 0.50 | 0.90 | 1.1 | 91 | 96 | 56 | 64 | 16.9 |
| 20 | 0.50 | 0.90 | 1.2 | 91 | 96 | 56 | 64 | 19.4 |
| 50 | 0.50 | 0.90 | 1.3 | 91 | 96 | 56 | 64 | 24.8 |
| 100 | 0.50 | 0.90 | 1.4 | 91 | 96 | 56 | 64 | 30.5 |

N.B. : For screened cables of 20 pairs or less the maximum average mutual capacitance shall not apply and the maximum for 99% of cases shall be increased by 3nF.

Insulation resistance

Insulation resistance measurements shall be made with not less than 500 volts D.C. After steady electrification for one minute the insulation resistance measured between each conductor and the remaining conductors connected together shall be not less than 1500 megohms per 1000 metres at 20°C.

Capacitance unbalance

Not more than 1% of the corrected capacitance unbalance measurements between adjacent pairs shall exceed the following values: Two-Pair (Quad) Cable 800pF. All other sizes 275pF.

CW1128 Pair colour scheme, unit binder colours and cable make-up

| Cabling Element No. | a-wire | b-wire | Unit Number | Binder Colour | Cable Size | No. and Pair Size of Unit in Centre and 1st Layer | |
|---------------------|--------|--------|-------------|---------------|------------|---|-----------|
| | | | | | | Centre | 1st layer |
| 1 | WHITE | BLUE | 1 | BLUE | 2 | 1 x 2 | - |
| 2 | WHITE | ORANGE | 2 | ORANGE | 5 | 1 x 5 | - |
| 3 | WHITE | GREEN | 3 | GREEN | 10 | 1 x 10 | - |
| 4 | WHITE | BROWN | 4 | BROWN | 20 | 4 x 5 | - |
| 5 | WHITE | Grey | 5 | Grey | | 2 x 10 | - |
| 6 | RED | BLUE | 6 | WHITE | 25 | 1 x 5 | 2 x 10 |
| 7 | RED | ORANGE | 7 | RED | 50 | 5 x 10 | |
| 8 | RED | GREEN | 8 | BLACK | | 1 x 10 | 4 x 10 |
| 9 | RED | BROWN | 9 | YELLOW | 100 | 2 x 10 | 8 x 10 |
| 10 | RED | Grey | 10 | VIOLET | | 3 x 10 | 7 x 10 |
| | | | | | | 4 x 5 | 8 x 10 |

Note: Options for the 2 pair cable are - Manufactured as a pair cable with cabling elements coloured as above. Manufactured as a quad, coloured Orange Green, White, Black in order of rotation.



British Cables Company Limited, Delaunays Road, Blackley, Manchester, M9 8FP, United Kingdom

Tel: +44 (0) 161 741 2345 | Fax: +44 (0) 161 795 8393 | Web: www.britishcablescompany.com | Email: info@britishcables.com

Disclaimer: Great effort is made to ensure the accuracy of the information presented, but errors may occur.

Specification and availability should be confirmed with a call to our sales representatives. ©British Cables company Limited