

SIGNET™ LOW CAP ON DATA PAIR

7/5/08 REV 1.0

18 AWG 1P Stranded BC + 22 AWG 1P Stranded BC Shielded (Data)



PART NUMBER: 181PCR-T

DESCRIPTION: 18 AWG 1 PAIR STRANDED 7/30 BARE COPPER, PVC INSULATION; PLUS 22 AWG 1 PAIR STRANDED 16/34 BARE COPPER, LOW CAPACITANCE DATA, ALUMINUM FOIL MYLAR SHIELD, 24 AWG 7/32 TINNED COPPER DRAIN, FOAM PE INSULATION, OVERALL PVC JACKET; UL CL3R/FT-4

1ST COMPONENT

PHYSICAL CHARACTERISTICS:

CONDUCTOR/PAIR COUNT: 2 CONDUCTORS, 1 PAIR
CONDUCTOR MATERIAL: BARE COPPER
GAUGE & STRANDING: 18 AWG 41/34
COLOR CODE: BLACK, RED
INSULATION MATERIAL: PVC
INSULATION THICKNESS: .010"

ELECTRICAL CHARACTERISTICS:

NOM. IMPEDANCE: 59.05 OHMS
VELOCITY OF PROP.: 50.60%
NOM. CAPACITANCE BETWEEN CONDUCTORS OF PAIR @ 1 KHZ: 33.9 pF/FT
NOM. CONDUCTOR OF DC RESISTANCE @ 20 DEG. C: 6.37 OHMS/1000 FT.

2ND COMPONENT

CONDUCTOR/PAIR COUNT: 2 CONDUCTORS, 1 PAIR
CONDUCTOR MATERIAL: BARE COPPER
GAUGE & STRANDING: 22 AWG 16/34
COLOR CODE: BLUE, WHITE
INSULATION MATERIAL: FOAM PE FOR LOW CAPACITANCE
INSULATION THICKNESS: .022"
SHIELD: ALUM FOIL MYLAR, MYLAR OUT, FOIL IN
DRAIN: 24 AWG 7/32 TINNED COPPER

NOM. IMPEDANCE: 95 OHMS
VELOCITY OF PROP.: 82%
NOM. CAPACITANCE BETWEEN CONDUCTORS OF PAIR @ 1 KHZ: 12.5 pF/FT
NOM. CONDUCTOR OF DC RESISTANCE @ 20 DEG. C: 16.33 OHMS/1000 FT.

OVERALL:

JACKET MATERIAL & THICKNESS: PVC .040"
JACKET COLOR: TEAL WITH YELLOW STRIPE
OUTSIDE DIAMETER: .244"
FOOTAGE MARKERS: ASCENDING/DESCENDING IN FEET
PACKAGING: REELS
COPPER WEIGHT: 16.17 LBS./1000 FT.
SHIPPING WEIGHT: 34 LBS./1000 FT.

UL CRITERIA:

UL TYPE OR STYLE: CM, CL3 / FT-4

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NOTES:

1. Semi-tubed jacket with glossy finish.
2. Footage markers printed every two feet.
3. While Signature Wire Corp. has made every reasonable effort to ensure the accuracy of these specifications, information contained herein may be subject to error and omission and to change without notice. Signature Wire Corp. provides these specifications on an "AS IS" basis, with no representations or warranties, whether express, statutory or implied.