



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



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General Description:

20 AWG stranded (19x32) .037" tinned copper conductor, foam FEP insulation, Duobond® II (100% coverage) plus a tinned copper braid shield (93% coverage), fluorocopolymer jacket.

Usage (Overall)

Suitable Applications: Thin Ethernet

Physical Characteristics (Overall)

Conductor

AWG:

| # Coax | AWG | Stranding | Conductor Material | Dia. (in.) |
|--------|-----|-----------|--------------------|------------|
| 1 | 20 | 19x32 | TC - Tinned Copper | .037 |

Total Number of Conductors: 1

Insulation

Insulation Material:

| Insulation Material | Dia. (in.) |
|--|------------|
| FFEP - Foam Fluorinated Ethylene Propylene | .095 |

Outer Shield

Outer Shield Material:

| Layer # | Outer Shield Trade Name | Type | Outer Shield Material | Coverage (%) |
|---------|-------------------------|-------|---|--------------|
| 1 | Bonded Duofoil® | Tape | Bonded Aluminum Foil-Polyester Tape-Aluminum Foil | 100 |
| 2 | | Braid | TC - Tinned Copper | 93 |

Outer Jacket

Outer Jacket Material:

| Outer Jacket Material |
|------------------------|
| PVDF - Fluorocopolymer |

Overall Cable

Overall Nominal Diameter: 0.160 in.

Mechanical Characteristics (Overall)

Operating Temperature Range: -20°C To +150°C

UL Temperature Rating: 150°C

Bulk Cable Weight: 22 lbs/1000 ft.

Max. Recommended Pulling Tension: 45 lbs.

Min. Bend Radius/Minor Axis: 1.750 in.

Applicable Specifications and Agency Compliance (Overall)

Applicable Standards & Environmental Programs

| | |
|---------------------------------------|-------------------|
| NEC/(UL) Specification: | CL2P, CMP |
| CEC/C(UL) Specification: | CMP |
| EU Directive 2011/65/EU (ROHS II): | Yes |
| IEEE Specification: | IEEE802.3 10Base2 |
| EU CE Mark: | Yes |
| EU Directive 2000/53/EC (ELV): | Yes |
| EU Directive 2002/95/EC (RoHS): | Yes |
| EU RoHS Compliance Date (mm/dd/yyyy): | 04/01/2005 |
| EU Directive 2002/96/EC (WEEE): | Yes |
| EU Directive 2003/11/EC (BFR): | Yes |

89907 Coax - Coaxial Cable - Thinnet 10Base2 Ethernet

| | |
|---|--------------------------|
| CA Prop 65 (CJ for Wire & Cable): | Yes |
| MIL Order #39 (China RoHS): | Yes |
| Customer Part Number Reference Specification: | DEC Part No. 17-01246-00 |
| RG Type: | 58A/U |

Flame Test

| | |
|-----------------|----------|
| UL Flame Test: | NFPA 262 |
| CSA Flame Test: | FT6 |

Suitability

| | |
|------------------------|-----|
| Suitability - Indoor: | Yes |
| Suitability - Outdoor: | Yes |

Plenum/Non-Plenum

| | |
|--------------------|------|
| Plenum (Y/N): | Yes |
| Non-Plenum Number: | 9907 |

Electrical Characteristics (Overall)

Nom. Characteristic Impedance:

| Impedance (Ohm) | Tolerance (Ohms) |
|-----------------|------------------|
| 50 | +/- 2 |

Nom. Inductance:

| Inductance (µH/ft) |
|--------------------|
| .0635 |

Nom. Capacitance Conductor to Shield:

| Capacitance (pF/ft) |
|---------------------|
| 25.4 |

Nominal Velocity of Propagation:

| VP (%) |
|--------|
| 80 |

Nominal Delay:

| Delay (ns/ft) |
|---------------|
| 1.27 |

Nom. Conductor DC Resistance:

| DCR @ 20°C (Ohm/1000 ft) |
|--------------------------|
| 8.8 |

Maximum Loop Resistance:

| Resistance (Ohm/1000 ft) |
|--------------------------|
| 15.24 |

Nominal Outer Shield DC Resistance:

| DCR @ 20°C (Ohm/1000 ft) |
|--------------------------|
| 5.8 |

Nom. Attenuation:

| Freq. (MHz) | Attenuation (dB/100 ft.) |
|-------------|--------------------------|
| 1 | .43 |
| 10 | 1.3 |
| 50 | 2.91 |
| 100 | 4.18 |
| 200 | 6.1 |
| 400 | 9.2 |
| 700 | 12.9 |
| 900 | 15.0 |
| 1000 | 16.0 |

Max. Power Rating:

| Freq. (MHz) | Rating (W) |
|-------------|------------|
| 1 | 6450 |
| 2 | 4500 |
| 10 | 1850 |
| 20 | 1400 |
| 50 | 890 |
| 100 | 640 |
| 200 | 470 |
| 400 | 360 |
| 700 | 290 |

89907 Coax - Coaxial Cable - Thinnet 10Base2 Ethernet

| | |
|------|-----|
| 900 | 270 |
| 1000 | 260 |

Max. Operating Voltage - UL:

| |
|----------------|
| Voltage |
| 300 V RMS |

Put Ups and Colors:

| Item # | Putup | Ship Weight | Color | Notes | Item Desc |
|---------------|----------|-------------|-----------------|-------|-----------------------|
| 89907 E4X1000 | 1,000 FT | 24.000 LB | GRAY, LIGHT DEC | C | #20 FPFA BRD SLF COAX |
| 89907 E4X2500 | 2,500 FT | 60.000 LB | GRAY, LIGHT DEC | C Z | #20 FPFA BRD SLF COAX |
| 89907 E4X500 | 500 FT | 13.000 LB | GRAY, LIGHT DEC | C | #20 FPFA BRD SLF COAX |

Notes:

C = CRATE REEL PUT-UP.

Z = FINAL PUT-UP LENGTH MAY VARY (+ OR -) 10% FOR SPOOLS OR REELS AND(+ OR -) 5% FOR UNREEL CARTONS FROM LENGTH SHOWN.

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