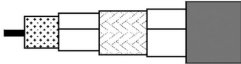




Product: [H125D00](#)

H125D00 - Broadband Coax, H125D, 18 AWG Solid BC, Tri-shield, PVC Jkt



Product Description

Broadband Coax, H125D, 18 AWG Solid Bare Copper Conductor, PE Insulation, Duofoil + 65% Tinned Copper Braid + Foil Shield, PVC Jacket

Technical Specifications

Product Overview

|                        |                                                                                |
|------------------------|--------------------------------------------------------------------------------|
| Suitable Applications: | Broadband, Cable Television (CATV), RF drop cable, Over-The-Air (OTA) antennas |
|------------------------|--------------------------------------------------------------------------------|

Construction Details

|          |   |
|----------|---|
| RG Type: | 6 |
|----------|---|

Conductor

| No. of Elements | Size   | Stranding | Nom. Diameter | Material         |
|-----------------|--------|-----------|---------------|------------------|
| 1               | 18 AWG | Solid     | 1 mm          | BC - Bare Copper |

Insulation

| Material                 | Nom. Insulation Diameter |
|--------------------------|--------------------------|
| PE - Polyethylene (Foam) | 4.8 mm (0.19 in)         |

|              |              |
|--------------|--------------|
| Table Notes: | Gas Injected |
|--------------|--------------|

Outer Shield

| Layer | Outer Shield Type | Material                      | Coverage |
|-------|-------------------|-------------------------------|----------|
| 1     | Tape              | Tri-Laminate (Alum+Poly+Alum) | 100%     |
| 2     | Braid             | Tinned Copper (TC)            | 63%      |
| 3     | Tape              | Bi-Laminate (Alum+Poly)       | 100%     |

|              |                                              |
|--------------|----------------------------------------------|
| Table Notes: | Foil Tape has L-Fold and is Bonded to sheath |
|--------------|----------------------------------------------|

Outer Jacket

| Material                 | Nom. Diameter |
|--------------------------|---------------|
| PVC - Polyvinyl Chloride | 7.1 mm        |

|              |                                              |
|--------------|----------------------------------------------|
| Table Notes: | According to European Standard EN 50290-2-20 |
|--------------|----------------------------------------------|

Electrical Characteristics

|                          |       |
|--------------------------|-------|
| Regularity of Impedance: | 40 dB |
|--------------------------|-------|

Return Loss (RL)

| Frequency     | Min. Return Loss |
|---------------|------------------|
| 30-470 MHz    | 23 dB            |
| 470-1000 MHz  | 20 dB            |
| 1000-2000 MHz | 18 dB            |
| 2000-3000 MHz | 16 dB            |

|              |                                              |
|--------------|----------------------------------------------|
| Table Notes: | Max. 3 peak values 3 dB lower than specified |
|--------------|----------------------------------------------|

Attenuation

| Frequency | Nom. Attenuation |
|-----------|------------------|
| 5 MHz     | 1.7 dB/100m      |

|         |              |
|---------|--------------|
| 50 MHz  | 4.7 dB/100m  |
| 100 MHz | 6.2 dB/100m  |
| 200 MHz | 8.9 dB/100m  |
| 400 MHz | 12.9 dB/100m |
| 600 MHz | 16.0 dB/100m |

|              |                                   |
|--------------|-----------------------------------|
| Table Notes: | Maximum attenuation is 10% higher |
|--------------|-----------------------------------|

Electricals

| Max. Conductor DCR         | Nom. Outer Shield DCR      | Nom. Capacitance Cond-to-Shield | Nom. Characteristic Impedance | Nom. Velocity of Prop. |
|----------------------------|----------------------------|---------------------------------|-------------------------------|------------------------|
| 23 Ohm/km (7.0 Ohm/1000ft) | 14 Ohm/km (4.3 Ohm/1000ft) | 55 pF/m (17 pF/ft)              | 75 Ohm                        | 80%                    |

Transfer Impedance

| Frequency | Max. Transfer Impedance |
|-----------|-------------------------|
| 5-30 MHz  | max. 5 mOhm/m           |

Screening

| Frequency    | Min. Screening Attenuation |
|--------------|----------------------------|
| 100-1000 MHz | 95                         |

|                  |   |
|------------------|---|
| Screening Class: | A |
|------------------|---|

Mechanical Characteristics

Temperature

| Operating      | Storage        |
|----------------|----------------|
| -40°C To +70°C | -40°C To +70°C |

Bend Radius

| Stationary Min. |
|-----------------|
| 35 mm (1.4 in)  |

|                    |               |
|--------------------|---------------|
| Max. Pull Tension: | 60 N (13 lbf) |
| Bulk Cable Weight: | 49 kg/km      |

Standards and Compliance

|                                  |                        |
|----------------------------------|------------------------|
| Environmental Suitability:       | Indoor - Euroclass Eca |
| Flammability / Reaction to Fire: | IEC 60332-1-2          |
| CPR Compliance:                  | CPR Euroclass: Eca     |
| CENELEC Compliance:              | EN 50117-1             |
| UK Regulation Compliance:        | UKCA Mark              |

History

|                      |                                                  |
|----------------------|--------------------------------------------------|
| Update and Revision: | Revision Number: 0.203 Revision Date: 08-01-2024 |
|----------------------|--------------------------------------------------|

Part Numbers

Variants

| Item #         | Color | Putup Type | Length | EAN           |
|----------------|-------|------------|--------|---------------|
| H125D00.01U250 | Black | UnReel     | 250 m  | 8719605123275 |
| H125D00.01500  | Black | Reel       | 500 m  | 8719605123282 |
| H125D00.00B100 | White | Flat Box   | 100 m  | 8719605087072 |
| H125D00.00U250 | White | UnReel     | 250 m  | 8719605087089 |
| H125D00.00500  | White | Reel       | 500 m  | 8719605087065 |

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