Issue Date: 05/01/2013
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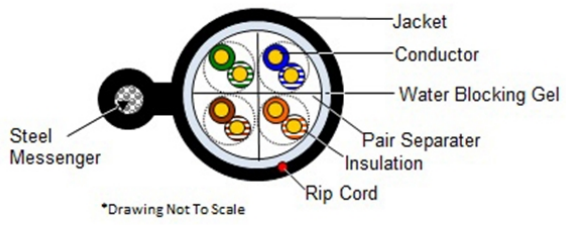
Part No.: 6DBFLD234UTPMESS

# Category 6 Flooded W/ Messenger Polyethylene Jacket

Made in the USA




## Applications

Supports all category 6 applications including Ethernet 100BASE-TX, 100BASE-VG and 155 ATM. Particularly suited for high bandwidth applications such as 622 ATM, Wideband, Ethernet 1000BASE-T and emerging applications with anticipated data rates to 3.2 Gbps.

## Overall Cable Construciton

No. 23 AWG solid bare copper conductor insulated with polyethylene. Two colored mated insulated conductors twisted together to form a pair and four pairs assembled to form a core. The core is flooded with a water resistant flooding compound and has a polyethylene jacket with an 0.045" steel messenger.

## Electrical Parameters

Mutual Capacitance: 14 pF/ft nominal
Capacitance Unbalance: 330 pF/ft maximum
Velocity of Propagation: 70%
Max. Conductor D.C.R.: 28.6 ohm/1000 feet
Max. DCR Unbalance: 5%
Max. Delay Skew: 45.0 ns/100m
Characteristic Impedance:
from 0.772 - 100 MHz 100 ± 15%
from 101 - 250 MHz 100 ± 22%

## Color Code:

| Pair | Color Code |
|---|---|
| 1 | Blue with White |
| 2 | Orange with White |
| 3 | Green with White |
| 4 | Brown with White |

## Technical Details

Temperature Rating
Installation 0° C to 50° C
Operation -10° C to 60° C
Nominal Diameters: Over Cat6: 0.275 in.
Over Mess: 0.095 in.
Major: 0.390 in.

## Standards

ANSI/TIA/EIA 568C.2 Category 6

## Codes & Listings

Non-listed

## Preparation for Shipment

The cable shall be packaged to preclude the inducement of damage due to handling and transportation, and shall be in accordance with the best commercial practices available. Shipping containers shall be constructed as to eliminate any possible damage to the cables due to shipment.

### Warranty Info

All warranty information can be viewed at www.remee.com. This product is RoHS compliant and is directive 2002/95/EC. It is the sole responsibility of the user to have the most current specification. Specifications are subject to change without notice.

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## Electrical Characteristics:

| Frequency | Return Loss | Attenuation | NEXT | PS-NEXT | ELFEXT | PS-ELFEXT | ACR | PS-ACR |
|---|---|---|---|---|---|---|---|---|
| MHz | dB | dB(100m) | dB | dB | dB | dB | dB | dB |
| | Minimum | Maximum | Minimum | Minimum | Minimum | Minimum | Minimum | Minimum |
| 1 | 20.0 | 2.0 | 80.3 | 78.3 | 73.8 | 70.8 | 78.3 | 76.3 |
| 4 | 23.0 | 3.8 | 71.3 | 69.3 | 61.8 | 58.8 | 67.5 | 65.5 |
| 10 | 25.0 | 6.0 | 65.3 | 63.3 | 53.8 | 50.8 | 59.3 | 57.3 |
| 16 | 25.0 | 7.6 | 62.2 | 60.2 | 49.7 | 46.7 | 54.6 | 52.6 |
| 20 | 25.0 | 8.5 | 60.8 | 58.8 | 47.8 | 44.8 | 52.3 | 50.3 |
| 31.25 | 23.6 | 10.7 | 57.9 | 55.9 | 43.9 | 40.9 | 47.2 | 45.2 |
| 62.5 | 21.5 | 15.4 | 53.4 | 51.4 | 37.9 | 34.9 | 38.0 | 36.0 |
| 100 | 20.1 | 19.8 | 50.3 | 48.3 | 33.8 | 30.8 | 30.5 | 28.5 |
| 200 | 18.0 | 29.0 | 45.8 | 43.8 | 27.8 | 24.8 | 16.8 | 14.9 |
| 250 | 17.3 | 32.8 | 44.3 | 42.3 | 25.8 | 22.8 | 11.5 | 9.5 |

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