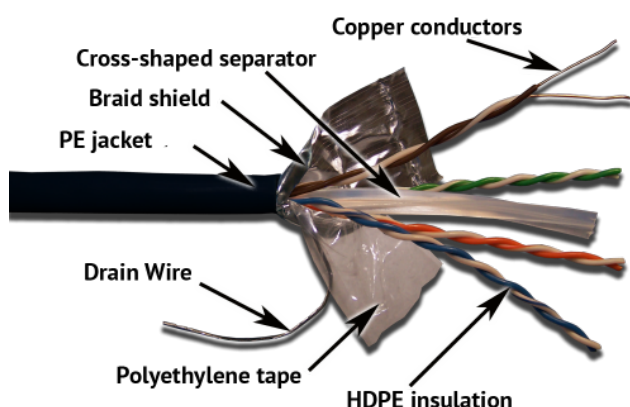


## Паспорт изделия

### LANMASTER FTP cable, 4 pairs, cat. 6, with separator, 250Mhz, PE, for outdoor, 305 m

**Product Code:** [LAN-6EFTP-OUT](#)

LANMASTER FTP cable, 4 pairs, cat. 6, with separator, 250Mhz, PE, for outdoor, 305 m



### Description

The cable consists of 4 pairs of solid copper conductors.  
 The diameter of the conductor is 23 AWG.  
 Each conductor is protected with HDPE (high density polyethylene) insulation.

Two conductors stranded with a specially selected step make up one twisted pair.  
 The pairs are separated from each other by a cross partition which increases the transient attenuation between the pairs.  
 4 twisted pairs and partition are wrapped in polyethylene film and together with a solid copper grounding conductor are enclosed in a common foil screen and polyethylene (PE) jacket.

#### Characteristic of the cable:

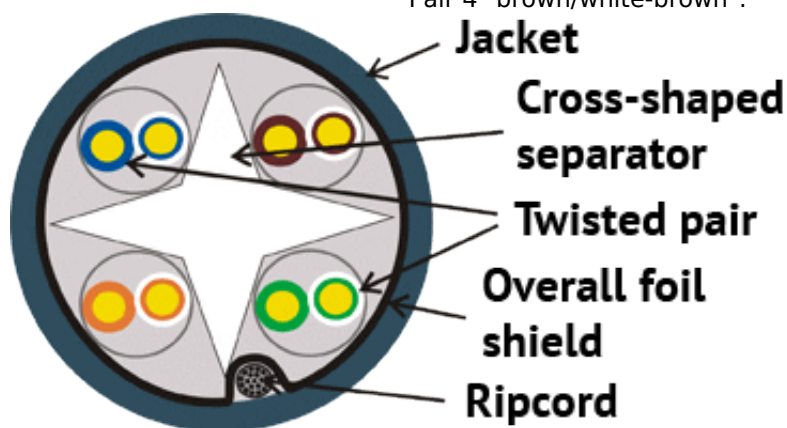
| Characteristic                    | Value                            |
|-----------------------------------|----------------------------------|
| Type of conductor                 | Solid                            |
| Conductor Diameter                | 23AWG ( 0,55± 0.03 mm)           |
| Insulation Type                   | HDPE (High Density Polyethylene) |
| Outer jacket                      | PE (Polyethylene)                |
| Jacket Color                      | Black                            |
| Cable diameter                    | 7,2 mm                           |
| Operating temperature range       | to +75°C                         |
| Impedance                         | 100+15 Ohm                       |
| Fire resistance level             | CMX                              |
| DC Resistance Unbalance of a pair | 5%                               |

Capacitance Unbalance pair to Ground  
 Propagation Delay Skew  
 Nomal velocity propagation  
 Certified by the laboratory  
 Complies with  
 Meters in a box

330 pF/100m  
 40 ns/100m  
 69%  
 3P  
 TIA/EIA 568-C.2-1 cat. 6  
 305 m

Color coding

Pair 1 "blue / white-blue";  
 Pair 2 "orange/white-orange";  
 Pair 3 "green/white-green";  
 Pair 4 "brown/white-brown".



#### Cable transfer characteristics:

| Frequency<br>(MHz) | Attenuation<br>(dB/100 m) | NEXT<br>(dB) | ACR<br>(dB) | PS.NEXT<br>(dB) | PS.ACR<br>(dB) | ELFEXT<br>(dB/100 m) | PS.ELFEXT<br>(dB/100 m) | Return Loss<br>(dB) |
|--------------------|---------------------------|--------------|-------------|-----------------|----------------|----------------------|-------------------------|---------------------|
| 1                  | 2.0                       | 74.3         | 72.3        | 72.3            | 70.3           | 67.8                 | 64.8                    | 20.0                |
| 4                  | 3.8                       | 65.3         | 61.5        | 63.3            | 59.5           | 55.7                 | 52.7                    | 23.0                |
| 8                  | 5.3                       | 60.8         | 55.3        | 58.8            | 53.3           | 49.7                 | 46.7                    | 24.5                |
| 10                 | 6.0                       | 59.3         | 53.3        | 57.3            | 51.3           | 47.8                 | 44.8                    | 25.0                |
| 16                 | 7.6                       | 56.3         | 48.7        | 54.3            | 46.7           | 43.7                 | 40.7                    | 25.0                |
| 20                 | 8.5                       | 54.8         | 46.3        | 52.8            | 44.3           | 41.7                 | 38.7                    | 25.0                |
| 25                 | 9.6                       | 53.3         | 43.7        | 51.3            | 41.7           | 39.8                 | 36.8                    | 24.3                |
| 31.25              | 10.7                      | 51.9         | 41.2        | 49.9            | 39.2           | 37.9                 | 34.9                    | 23.6                |
| 62.5               | 15.4                      | 47.4         | 32.0        | 45.1            | 30.0           | 31.8                 | 28.8                    | 21.5                |
| 100                | 19.8                      | 44.3         | 24.5        | 42.3            | 22.5           | 27.8                 | 24.8                    | 20.1                |
| 155                | 25.1                      | 41.5         | 16.4        | 39.5            | 14.4           | 23.9                 | 20.9                    | 18.8                |
| 200                | 29.0                      | 39.8         | 10.8        | 37.8            | 8.8            | 21.7                 | 18.7                    | 18.0                |
| 250                | 32.8                      | 38.3         | 5.5         | 36.3            | 3.5            | 19.8                 | 16.8                    | 17.3                |

## Model range

|               |                                                                                      |
|---------------|--------------------------------------------------------------------------------------|
| LAN-6EFTP-OUT | LANMASTER FTP cable, 4 pairs, cat. 6, with separator, 250Mhz, PE, for outdoor, 305 m |
|---------------|--------------------------------------------------------------------------------------|

Product descriptions are listed according to the available information at the time of publication. Product specifications can be changed without advanced notification. More detailed and exact information can be obtained from the official partners and distributors of LANMASTER.