

CABLE TECHNICAL DATA SHEET



NET5EFT FTP Cat5e PVC 4X2X24AWG

Description

Data cable 4X2X24AWG Cat. 5e, HDPE insulation, aluminium polyester shield and PVC jacket with stripping cord and drainage 0.5mm.

Use

IP Networks and CCTV installations.

Mechanical characteristics

Conductors

| # Conduct. | Section | Materials |
|------------|---------|-------------|
| 8 | 1X24AWG | Bare copper |

Insulation

| Material | Thickness | Diameter | Colors |
|------------|-----------|----------|---|
| HDPE (E29) | >0.20mm | 0.90mm | Blue - White / Blue - Orange - White / Orange Green - White / Green - Brown - White / Brown |

Shielding

| Nr. | Type | Materials | Coverage |
|-----|------|--------------|----------|
| 1 | Foil | Aluminium+PE | 100% |

Drainage

| Section | Thickness | Material |
|---------|-----------|-------------|
| 1X0.5mm | 0.50mm | Bare copper |

Jacket

| Material | Thickness | Diameter | Color |
|----------|-----------|----------|-------|
| PVC | >0.60mm | 5.80mm | White |

Operating temperature -15°C + 70°C

Bending radius 8XØ

Electrical characteristic (100mt)

| Frequency | RL | ATT(20°C) | NEXT | PHASE DELAY | PSNEXT | ELFEXT | PSELFEXT |
|-----------|------|-----------|------|----------------|--------|--------|----------|
| (MHz) | ≥dB | ≤dB | ≥dB | ≤ns | ≥dB | ≥dB | ≥dB |
| 1 | 20 | 2 | 65.3 | 570 | 62.3 | 63.8 | 60.8 |
| 4 | 23 | 4.1 | 56.3 | 552 | 53.3 | 51.8 | 48.8 |
| 8 | 24.5 | 5.8 | 51.8 | 546.73 | 48.8 | 45.7 | 42.7 |
| 10 | 25 | 6.5 | 50.3 | 545.38 | 47.3 | 43.8 | 40.8 |
| 16 | 25 | 8.2 | 47.2 | 543 | 44.4 | 39.7 | 36.7 |
| 20 | 25 | 9.3 | 45.8 | 542.05 | 42.8 | 37.8 | 34.8 |
| 25 | 24.3 | 10.4 | 44.3 | 541.2 | 41.3 | 35.8 | 32.8 |
| 31.25 | 23.6 | 11.7 | 42.9 | 540.44 | 39.9 | 33.9 | 30.9 |

Headquarter
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Operational Branch
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| | | | | | | | |
|------|------|----|------|--------|------|------|------|
| 62.5 | 21.5 | 17 | 38.4 | 538.55 | 35.4 | 27.9 | 24.9 |
| 100 | 20.1 | 22 | 35.3 | 537.6 | 32.3 | 23.8 | 20.8 |

Regulations conformity

ISO / IEC 11801, EIA / TIA 568, EN-50173, EN 60332-1-2, EN 60332-1-1, CEI 36762.

Marking

eRaya IPNET NET5EFT/305 FTP CAT5e 4X2X24AWG – ISO/IEC 11801 – EN50573 ANSI/TIA-568C.2 - C-4 (U_o=400V) – CEI UNEL 36762- CPR Eca – “lot” – “mt”

Installation

Installation in conduits or cable trays indoor, together with electrical cables, classification CPR Eca.

Codes/Models

| Code | Description | Packaging | Weight |
|--------------|-------------------------|-----------------|-------------|
| NET5EFT /305 | FTP Cat5e 4X2X24AWG PVC | Pull box 305 mt | 11.8 Kg/box |

Eraya Srl reserves the right to modify the technical characteristics, if necessary, without notification.

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Ancona, 05/06/2023



Declaration of Performance (DoP) N. NET5EFT /2023

1. Unique identification code of the product:

NET5EFT/305 - NET5EFT/1000

2. Type, batch or serial number or any other element allowing identification of the product as required under Article 11(4):

FTP Cat5e data cable

3. Intended use or uses of the construction product:

Control and communication cables - Cables for general application in construction works subjected to reaction to fire requirements.

4. Name, registered trade name or registered trade mark and contact address of the manufacturer as required under article 11(5) :

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5. Name and contact address of the authorised representative whose mandate covers the tasks specified in Article 12(2):

ERAYA SRL

6. System or systems of assessment and verification of constancy of performance of the construction product as set out in CPR, Annex V:

AVPC: 3

7. In case of the declaration of performance concerning a construction product covered by a harmonized standard:

Standard: EN 50575:2014 + A1:2016
Notified body: 0987 – LAPI SPA

8. Declared performance:

Flame propagation: **Eca**
Dangerous substances: **NONE**

Notified product certification body N. 0987 performed the determination of product type. This declaration of responsibility is issued, in accordance with Regulation UE No. 305/2011, under the sole responsibility of the manufacturer identified above.

Signature:

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