

ENATS 09-6 Telecommunications Cable - SWA, LSZH - 0.50mm



Description

Telecommunication cable is predominantly used in electrical instrumentation and communications. The cable is manufactured to specification ENATS 09-6 Section 4.5. (Electrical National Association and Technical specification). ENATS is the governing body who cover utilities specification cables.

Key Features



Voltage Rating
110 Volts



Flame Retardancy
BS4066 PT1 & IEC 332 PT1



Temperature Limits
Temperature Range: -20°C to +70°C

Core Colours

**All two pair cables are in quad formation and colour coded in rotation



For 30 pair cables the formation will be 3 x 10 pair units numbered - 1, 2 & 3

For 40 pair cables the formation will be 2 x 20 pair units numbered - 1 & 2

For 50 pair cables the formation will be 5 x 10 pair units numbered - 1, 2 3, 4 & 5

For 100 pair cables the formation will be 5 x 20 pair units numbered - 1, 2, 3, 4 &

5.

Standards

- ENATS 09-6: Issue 8 Section 4.5 Table E3B

Construction

- Insulation:** Low Smoke Zero Halogen (LSZH)
- Bedding:** LSZH (Low smoke Zero Halogen)
- Armour:** Galvanised Steel Wire Armour (SWA)
- Sheath:** Low smoke Zero Halogen (LSZH) to BS 7655

QA Lab

Cleveland Cable Test & Training Lab

Our state-of-the-art cable testing facility ensures that every cable meets the highest standards of quality and compliance through continuous, rigorous testing. Where applicable, cables are independently tested and certified by BASEC to ensure full compliance.



CPR

Cleveland Cable Company is committed to compliance with the Construction Products Regulation (CPR). Where applicable, all cables manufactured after 1st July 2017 have been assessed in accordance with CPR requirements, with full supporting documentation available.



Our Sustainability Commitment

We are committed to the journey to Net Zero as a business partner, an employer and a community member.

By thinking and acting sustainably, we deliver excellent customer service while reducing carbon emissions in collaboration with our customers and suppliers.



ecovadis

Cleveland Cable Company has been independently assessed by EcoVadis, a globally recognised provider of business sustainability ratings. Our score places us among the top 35% of companies evaluated worldwide, reflecting our strong commitment to environmental, social, and ethical performance



ENATS 09-6 Telecommunications Cable - SWA, LSZH - 0.50mm - Dimensions

| Reference | Conductor Size (mm ²) | No Of Pairs | Stranding(mm) | Overall Diameter(mm) | Weight(Kg/Km) | Nylon Cleat Size | Gland Size |
|-----------|-----------------------------------|-------------|---------------|----------------------|---------------|------------------|------------|
| 13501 | 0.5 | 2 | 1/0.80 | 9.50 | 200 | 0.5 | 20/16 |
| 13503 | 0.5 | 5 | 1/0.80 | 13.70 | 326 | 0.6 | 20S |
| 13504 | 0.5 | 10 | 1/0.80 | 17.47 | 598 | 0.7 | 20 |
| 13506 | 0.5 | 20 | 1/0.80 | 20.70 | 783 | 0.9 | 25 |
| 13510 | 0.5 | 50 | 1/0.80 | 20.74 | 3041 | 0.9 | 25 |
| 13511 | 0.5 | 100 | 1/0.80 | 41.00 | 4823 | 1.8 | 50S |



ENATS 4.5 - CORE COLOURS

| PAIR NUMBER | WIRE A | WIRE B |
|-------------|--------|--------|
| 1 | WHITE | BLUE |
| 2 | WHITE | ORANGE |
| 3 | WHITE | GREEN |
| 4 | WHITE | BROWN |
| 5 | WHITE | GREY |
| 6 | RED | BLUE |
| 7 | RED | ORANGE |
| 8 | RED | GREEN |
| 9 | RED | BROWN |
| 10 | RED | GREY |

| PAIR NUMBER | WIRE A | WIRE B |
|-------------|--------|--------|
| 10 | RED | GREY |
| 11 | BLACK | BLUE |
| 12 | BLACK | ORANGE |
| 13 | BLACK | GREEN |
| 14 | BLACK | BROWN |
| 15 | BLACK | GREY |
| 16 | YELLOW | BLUE |
| 17 | YELLOW | ORANGE |
| 18 | YELLOW | GREEN |
| 19 | YELLOW | BROWN |

All two pair cables are in quad formation and colour coded in rotation - White, Red, Blue, Orange.

For 30 pair cables the formation will be 3 X 10 pair units numbered - 1, 2 and 3.

For 40 pair cables the formation will be 2 X 20 pair units numbered - 1 and 2.

For 50 pair cables the formation will be 5 X 10 pair units numbered - 1, 2, 3, 4 and 5.

For 100 pair cables the formation will be 5 X 20 pair units numbered - 1, 2, 3, 4 and 5.

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