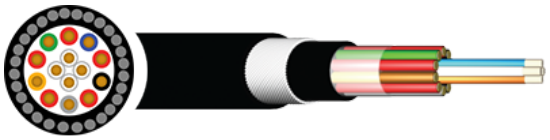
ENATS 09-6 Telecommunications Cable - SWA - 0.50mm



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

Minimum Bending Radius
10 x Overall Diameter

Flame Retardancy
BS EN/IEC 60332-1

Temperature Limits
Fixed: -30°C to +70°C
Flexing: -5°C to +70°C

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

Core Colours

**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 & 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

- IEC 332 PT1
- BS EN/IEC 60228
- IEC 60332-1
- ENATS 09-6 Issue 8 Section 5 3.6

Construction

- **Conductor**: Solid tinned annealed copper conductors twisted to form pairs
- **Insulation**: Polyvinyl Chloride (PVC)
- **Bedding**: Polyvinyl Chloride (PVC)
- **Armour**: Galvanised Steel Wire Armour (SWA)
- **Outer Sheath**: Polyvinyl Chloride (PVC)
- **Sheath Colour**: Black

Training & Testing Lab

AN ISO/IEC 17025 ACCREDITED FACILITY

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.

ISO/IEC 17025 Accredited Testing Laboratory
31196

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.

CLEVELAND CABLE COMPANY

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

ecovadis

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

Reference	Conductor Size (mm2)	No Of Pairs	Stranding(mm)	Overall Diameter(mm)	Weight(Kg/Km)	Nylon Cleat Size	Gland Size
13381	0.5	2	1/0.8	10.17	208	0.5	20S
13383	0.5	5	1/0.8	13.92	353	0.6	20S
13384	0.5	10	1/0.8	17.49	606	0.7	20
13385	0.5	15	1/0.8	18.90	630	0.8	20
13386	0.5	20	1/0.8	21.06	854	0.9	25
13387	0.5	25	1/0.8	23.20	1159	1	25
13388	0.5	30	1/0.8	26.47	1266	1.1	32
13389	0.5	40	1/0.8	28.82	1549	1.2	32
13390	0.5	50	1/0.8	33.50	1923	1.4	32
13391	0.5	100	1/0.8	43.40	3000	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.

THE INFORMATION CONTAINED WITHIN THIS DATASHEET IS FOR GUIDANCE ONLY AND IS SUBJECT TO CHANGE WITHOUT NOTICE OR LIABILITY. WE BELIEVE THE INFORMATION IS CORRECT AT THE TIME OF PUBLICATION. PLEASE NOTE WHEN SELECTING CABLE ACCESSORIES THAT ACTUAL CABLE DIMENSIONS MAY VARY DUE TO MANUFACTURING TOLERANCES.