

## ENATS 09-6 LSZH UNSCREENED COMMUNICATION CABLE - TELEPHONE



### APPLICATION

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.

### CABLE STANDARDS

ENATS 09-6: Issue 8 Section 4.5 Table E3B

Flame propagation to:  
IEC BS4066 PT1  
IEC 332 PT1

### CONSTRUCTION

**Conductor:** Solid Plain Annealed Copper Conductors

**Insulation:** Low Smoke Zero Halogen (LSZH)

**Bedding:** Low Smoke Zero Halogen (LSZH)

**Armouring:** Galvanised Steel Wire Armour

**Sheath:** Low Smoke Zero Halogen (LSZH)

**Sheath Colour:** ■ Black

\*\*All two pair cables are in quad formation

### CHARACTERISTICS

**Voltage Rating:** 110 Volts

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

**Minimum Bending Radius:** As per cable manufacturer datasheet

Should not be installed at temperatures below 0°C or above +40°C

## ENATS 09-6 LSZH UNSCREENED COMMUNICATION CABLE - DIMENSIONS

CCC CODE	CONDUCTOR SIZE (MM <sup>2</sup> )	STRANDING (MM)	NUMBER OF PAIRS	WEIGHT (KG/KM)	OVERALL DIAMETER (MM)	GLAND SIZE	NYLON CLEAT SIZE
13501	0.5	1/0.8	**2	200	9.5	20/16	-
13503	0.5	1/0.8	5	326	13.7	20S	0.6
13504	0.5	1/0.8	10	598	17.47	20	0.7
13506	0.5	1/0.8	20	783	20.7	25	0.9
13510	0.5	1/0.8	50	1823	20.74	25	0.9
13511	0.5	1/0.8	100	3041	41	50S	1.8

## ENATS 09-6 LSZH UNSCREENED COMMUNICATION CABLE - COLOUR TABLE

PAIR NUMBER	A WIRE	B WIRE
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
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
20	YELLOW	GREY

EACH UNIT IS LAPPED WITH COLOURED TAPE FOR IDENTIFICATION AS FOLLOWS	
UNIT 1	BLUE
UNIT 2	ORANGE
UNIT 3	GREEN
UNIT 4	BROWN
UNIT 5	GREY
UNIT 6	WHITE
UNIT 7	RED
UNIT 8	BLACK
UNIT 9	YELLOW
UNIT10	VIOLET

\*\*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.