

## ENATS 09-6 PVC SCREENED 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

#### Flame propagation to:

IEC BS4066 PT1

IEC 332 PT1

### CONSTRUCTION

**Conductor:** Solid Plain Annealed Copper Conductors

**Screen:** Collective Aluminium \ Mylar tape screen with 0.5mm<sup>2</sup> drain wire

**Insulation:** Polyvinyl Chloride (PVC)

**Bedding:** Polyvinyl Chloride (PVC)

**Armouring:** Galvanised Steel Wire Armour

**Sheath:** Polyvinyl Chloride (PVC)

**Sheath Colour:** ■ Black

### CHARACTERISTICS

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

**Minimum Bending Radius:** As per manufacturers datasheet

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

## ENATS 09-6 PVC SCREENED COMMUNICATION CABLE - DIMENSIONS

CCC CODE	CONDUCTOR SIZE (MM <sup>2</sup> )	STRANDING (MM)	NUMBER OF CORES	WEIGHT (KG/KM)	OVERALL DIAMETER (MM)	GLAND SIZE	NYLON CLEAT SIZE
13401	0.5	1/0.8	**2	223	10.3	20S	0.5
13403	0.5	1/0.8	5	349	13.74	20S	0.6
13404	0.5	1/0.8	10	599	18.14	20	0.8
13405	0.5	1/0.8	15	795	19.4	20	0.8
13406	0.5	1/0.8	20	900	22.34	25	0.9
13407	0.5	1/0.8	25	1159	23.5	25	1
13408	0.5	1/0.8	30	1332	25.21	25	1
13409	0.5	1/0.8	40	1435	28	32	1.2
13410	0.5	1/0.8	50	1926	31.44	32	1.4
13411	0.5	1/0.8	100	3041	44.7	50S	1.8

## ENATS 09-6 PVC SCREENED COMMUNICATION CABLE - COLOUR

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.

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.