

DNO APPROVED SNE ALUMINIUM SPLIT CONCENTRIC CABLE



APPLICATION

Used by Distribution Network Operators (DNOs) such as UKPN, WPD, ENW, NPG, SSE etc to provide the final connection to domestic properties. Suitable for sub main distribution boxes, Street lighting systems and high rise buildings.

SNE (Seperate Neutral & Earth) construction for use in older installations

CABLE STANDARDS

- BS7870 -3.22
- BS EN 50266-2-4
- BS EN 60754
- BS EN 50268 1 & 2
- BS EN 60228

CONSTRUCTION

- Conductor:** Solid Aluminium Conductor
- Insulation:** Cross Link Polyethylene (XLPE)
- Neutral Conductor:** Plain copper wire covered in blue polymeric compound
- Earth Continuity Conductor:** Plain Copper
- String Separator:** Non Hygroscopic separator
- Sheath:** available in both Poly Vinyl Chloride (PVC) and Low Smoke Zero Halogen (LSZH)
- Sheath Colour:**
 Black (PVC) Orange (LSZH)

CHARACTERISTICS

- Voltage Rating:** 600V / 1000V
- Temperature Limits:** -15°C to +70°C
- Minimum Bending Radius:**
As per cable manufacturer datasheet
- Should not be installed at temperatures below 0°C

ALUMINIUM SPLIT CONCENTRIC CABLE - DIMENSIONS

CCC CODE	CONDUCTOR SIZE (MM ²)	NUMBER OF CORES	AVG. NOMINAL DIAMETER (MM)	MAXIMUM VOLTAGE RATING	WEIGHT (kg/km)
25SPLITCONAL	25	1	15	0.6/1KV	490
35SPLITCONAL	35	1	16	0.6/1KV	610
3X25SPLITCONAL	25	3	23.5	0.6/1KV	830
3X35SPLITCONAL	35	3	26	0.6/1KV	1030
25SPLITCONALOR	25	1	15	0.6/1KV	490
35SPLITCONALOR	35	1	16	0.6/1KV	610
3X25SPLITCONALOR	25	3	23.5	0.6/1KV	830
3X35SPLITCONALOR	35	3	26	0.6/1KV	1030

ALUMINIUM SPLIT CONCENTRIC CABLE – CURRENT CARRYING CAPACITY

NUMBER OF CORES	NOMINAL CROSS SECTIONAL AREA (MM ²)	CONTINUOUS CURRENT RATING		
		CLIPPED DIRECT AMPS	IN CONDUIT ON WALL AMPS	IN AIR AMPS
1	25	119	105	127
1	35	147	128	158
3	25	90	84	97
3	35	112	103	120

ALUMINIUM SPLIT CONCENTRIC CABLE – ELECTRICAL CHARACTERISTICS

NOMINAL CROSS SECTIONAL AREA (MM ²)	MAXIMUM DC RESISTANCE OF CONDUCTOR AT 20°C - PHASE OHMS/KM	MAXIMUM AC RESISTANCE OF CONDUCTOR AT 90°C - PHASE OHMS/KM	MAXIMUM DC RESISTANCE OF CONDUCTOR AT 20°C - NEUTRAL OHMS/KM	MAXIMUM DC RESISTANCE OF CONDUCTOR AT 20°C - EARTH OHMS/KM
1 X 25	0.320	0.411	0.320	0.056
1 X 35	0.164	0.211	0.164	0.054

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.