CABLES BRITAIN LIMITED

ESI 09-6 PVC/CAM/PVC/SWA/PVC RP & XLPE/CAM/LSZH/SWA/LSZH

Solid tinned annealed copper conductors, PVC insulated/Polyester taped/CAM (Collective Aluminium - Mylar) screened including drain wire/PVC bedded/Steel Wire Armoured/PVC RP sheathed or XLPE insulated/Polyetser taped/CAM/LSZH/SWA/LSZH sheathed. 110 volts grade a.c or 150 volts grade d.c to ESI 09-6 (where applicable). Sheath Colour: Black.

MULTIPAIR CABLES	CONDUCTOR SIZE (MM)		NOMINAL DIMENSIONS (MM), WEIGHTS & PART NUMBERS									
ESI 09-6	CABLE TYPE	NO OF PAIRS	1	2	5	10	15	20	40	60	100	200
PVC INSULATED COLLECTIVELY SCREENED STEEL WIRE ARMOURED PVC RP SHEATHED	1/0.8mm PVC RP Issue 6	Over pairs Over screen Over bedding Over armour Overall Diam Weight Kg/KM	2.8 3.1 4.7 6.5 9.1 170	4.8 5.1 6.9 8.7 11.3 245	6.4 6.9 8.9 10.7 13.5 352	9.0 9.5 11.7 14.2 17.2 606	10.6 11.1 13.5 16.0 19.0 740	12.2 12.7 15.1 17.6 20.8 872	17.3 17.8 20.6 23.8 27.4 1530	21.2 21.7 24.9 28.1 32.1 2030	27.3 27.8 31.4 35.4 39.8 3180	38.6 39.1 43.7 48.7 53.7 5770
XLPE INSULATED COLLECTIVELY SCREENED STEEL WIRE ARMOURED LSZH SHEATHED	1/0.8mm LSZH Issue 6	Over pairs Over screen Over bedding Over armour Overall Diam Weight Kg/KM	2.8 3.1 4.7 6.5 9.1 173	4.8 5.1 6.9 8.7 11.3 250	6.4 6.9 8.9 10.7 13.5 361	9.0 9.5 11.7 14.2 17.2 618	10.6 11.1 13.5 16.0 19.0 755	12.2 12.7 15.1 17.6 20.8 890	17.3 17.8 20.6 23.8 27.4 1560	21.2 21.7 24.9 28.1 32.1 2070	27.3 27.8 31.4 35.4 39.8 3230	38.6 39.1 43.7 48.7 53.7 5860
			1	2	3	5	10	15	20			
PVC INSULATED COLLECTIVELY SCREENED STEEL WIRE ARMOURED PVC RP SHEATHED	1/0.9mm PVC RP ESI 09-6 Issue 5 Pre 1988	Over pairs Over screen Over bedding Over armour Overall Diam Weight Kg/KM	3.1 4.3 5.9 7.7 10.3 225	3.8 5.0 6.6 8.4 11.0 258	5.9 7.1 9.1 10.9 13.7 366	7.5 8.7 10.7 12.5 15.3 445	10.3 11.5 13.7 16.2 19.2 735	12.3 13.5 15.7 18.2 21.4 908	13.8 15.0 17.4 19.9 23.1 1050			
			25	30	40	50	60	75	100			
25 to 100 pairs	1/0.9mm PVC RP ESI 09-6 issue 5 Pre 1988	Over pairs Over screen Over bedding Over armour Overall Diam Weight Kg/KM	15.4 16.6 19.2 22.4 25.8 1250	16.5 17.7 20.5 23.7 27.1 1400	19.4 22.2 24.0 27.1 31.9 1800	22.2 23.4 26.6 29.8 33.6 2170	24.0 25.2 28.6 32.6 36.6 2690	27.1 28.3 31.7 35.7 39.7 3120	31.9 33.1 36.9 40.9 45.4 3870			

Operating Temperature: PVC Maximum 70°C, Minimum bending 0°C
LSZH Maximum 90°C, Minimum bending -15°C

Minimum bending radius:8 x overall diameter.

Oxygen Index: PVC 30%, HCL emissions 15% maximum.

LSZH HCL emissions 0.5% in accordance with BS6424: Pt1,
Completed cables comply with the requirements of fire test BS4066: Pt3.

Conductor Identification: Generally in accordance with ESI 09-6

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