

## 7-2-\*C SCREENED MULTICORE - LOW SMOKE

Flexible tinned annealed copper conductors, XLPE or LSZH insulated/Polyester taped/Tinned Copper braid screened/LSZH sheathed. 440 volts grade R.M.S (at 1600 c/s) generally to Def.Stan. 61-12 Part 5 (Where applicable). (\* Denotes number of cores )

NUMBER OF CORES	CABLE REF	DIAMETER OVER LAID UP CORES MM	DIAMETER OF BRAID WIRE MM	DIAMETER OVER COLLECTIVE SCREEN MM	NOMINAL OVERALL DIAMETER MM	WEIGHT KG/KM
2	7-2-2C LSZH	2.4	0.10	2.9	3.9	23
3	7-2-3C LSZH	2.6	0.10	3.1	4.1	27
4	7-2-4C LSZH	2.9	0.10	3.4	4.4	32
6	7-2-6C LSZH	3.6	0.15	4.4	5.6	53
8	7-2-8C LSZH	4.0	0.15	4.8	5.9	61
12	7-2-12C LSZH	5.0	0.15	5.8	6.9	82
18	7-2-18C LSZH	6.0	0.15	6.8	8.2	114
20	7-2-20C LSZH	6.4	0.15	7.2	8.5	122
25	7-2-25C LSZH	7.2	0.15	8.0	9.5	148
36	7-2-36C LSZH	8.4	0.15	9.2	10.8	196
50	7-2-50C LSZH	10.0	0.20	11.0	12.6	260
60	7-2-60C LSZH	10.8	0.20	11.8	13.4	299

**Sheath Colour:** Black

**Operating Temperatures:** Maximum 90°C  
Minimum flexing -15°C

**Conductor Identification:**

Single and Bi-coloured Cores 2 to 36 core in acc.Def Stan 61-12.

**Minimum bending radius:** 6 x overall diameter.

**Combustion characteristics:** HCL emission maximum 0.5% in accordance with BS6425: Pt1  
Completed cables comply with the requirements of fire test BSEN50266-1:2001 (previously BS4066 :pt3)

### CONDUCTOR DIMENSIONS

SIZE SQ.MM	STRANDING MM	DIAMETER OVER CONDUCTOR MM	RT OF INSULATION MM	NOMINAL OVERALL DIAMETER OF CORE MM	CURRENT RATING AMPS	MAXIMUM CONDUCTOR RESISTANCE AT 20°C OHMS DC/KM
0.22	7/2	0.6	0.3	1.20	1.0	92

The current ratings given apply only to single conductors in free air at normal ambient temperature. Ratings for multicore cables vary with the number of loaded conductors, the disposition of the cables and the ambient temperature.