

SafeX110 Multi Core - LSZH 110°C - Tinned Copper Cables



Application:

Cross linked, multi-core, halogen free, low smoke and capable of high current applications.

Wiring of switchboards, control, general wiring, instrumentation and communication systems. Used where LSZH (Low Smoke Zero Halogen) is needed and where higher current rating are required.

Benefits	
Cross-Linked	Insulation and sheath are fully cross-linked to enhance performance
Low Smoke	Reduced smoke emission in a fire situation
Low Toxicity	Reduced toxicity in a fire situation
Non-Corrosive	No corrosive gas emission in a fire situation
High Temperature Rating	High temperature rating can allow for higher currents and so smaller conductor sizes may be used
Flame Retardant	Flame resistant, low fire load and non flame propagating
Extreme Flexibility	Class 5 flexible conductor stranding
Easy to Solder	Tinned copper conductors for easy adhesion

Features	
Up to 50% higher current ratings compared to PVC flexible cable	
Reduced overall diameters compared with PVC flexible cable	
Cross-linked insulation and sheath form a stronger lattice and do not melt or flow when heated	
Tinned copper strands for corrosion protection	
Tinned copper for high conductivity soldered connection	
Class 5 conductors for extreme flexibility for those awkward to get connections	
RoHS compliant to comply with European environmental requirements	
LSZH to reduce hazards during a fire	

Construction	
Conductor	Tinned annealed copper wire, class 5
Colours	2 Core – Blue, brown 2 Core + E – Blue, brown, green/yellow 3 Core + E – Blue, brown, black, green/yellow 4 Core + E – Blue, brown, black, grey, green/yellow

Construction	
Insulation	X-HF-110 (Crossed linked halogen free to 110°C)
Sheath	HFS-110-TP
Colours	2 Core – Blue, brown 2 Core + E – Blue, brown, green/yellow 3 Core + E – Blue, brown, black, green/yellow 4 Core + E – Blue, brown, black, grey, green/yellow

Ratings	
Temperature	-40°C to + 110°C
Voltage	0.6/1kV
Applicable Standards	AS/NZS1125, AS/NZS3808, AS/NZS5000.1

*Current ratings below based on AS/NZS3008.1.1:2009 table 12, column 5 and table 15, column 5 or table 16



Low Smoke Zero Halogen



Flexible Conductor Class 5



Tinned Copper for Corrosion Resistance



Minimum Service Temperature -40°C



Maximum Service Temperature 110°C



Maximum Short Circuit Temperature 250°C (Max 5s)



Impact Resistant



Abrasion Resistant



Chemical And Oil Resistant



Flame Non-Propagation



UV Resistant



Low Temperature Resistance



Minimum Recommended Bend Radius Fixed 4 x OD

Products

Code	Construction	Conductor CSA mm ²	STRANDING No. of Strands/mm	NOMINAL DIAMETER mm	CURRENT RATING Amps	WEIGHT Kg/km	Enquire About
24200	2C	0.75	24/0.20	8.7	7.5	90	☐
24201	2C	1	32/0.20	9.1	23	98	☐
24202	2C	1.5	30/0.25	9.6	28	113	☐
24203	2C	2.5	50/0.25	10.5	38	143	☐
24300	2C + E	1.5	30/0.25	10.0	28	135	☐
24301	2C + E	2.5	50/0.25	11.0	38	176	☐
24302	2C + E	4	56/0.30	12.3	50	235	☐
24303	2C + E	6	84/0.30	13.8	63	312	☐
24304	2C + E	10	140/0.30	16.2	88	455	☐
24305	2C + E	16	224/0.30	17.7	116	643	☐
24306	2C + E	25	350/0.30	22.6	154	980	☐
24307	2C + E	35	494/0.30	25.2	190	1303	☐
24400	3C + E	1.5	30/0.25	10.8	24	164	☐
24401	3C + E	2.5	50/0.25	11.9	32	216	☐
24402	3C + E	4	56/0.30	13.3	42	294	☐
24403	3C + E	6	84/0.30	15.0	54	392	☐
24404	3C + E	10	140/0.30	17.7	75	580	☐
24405	3C + E	16	224/0.30	20.3	99	839	☐
24406	3C + E	25	350/0.30	24.9	131	1267	☐
24407	3C + E	35	494/0.30	28.0	162	1707	☐
24500	4C + E	1.5	30/0.25	11.6	24	189	☐
24501	4C + E	2.5	50/0.25	12.8	32	257	☐
24502	4C + E	4	56/0.30	14.4	42	352	☐
24503	4C + E	6	84/0.30	16.3	54	473	☐
24504	4C + E	10	140/0.30	19.3	75	703	☐
24505	4C + E	16	224/0.30	22.3	99	1027	☐
24506	4C + E	25	350/0.30	27.4	131	1555	☐
24507	4C + E	35	494/0.30	30.9	162	2108	☐

[Enquire Now](#)

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