

4 Core Circular Copper, XLPE, HFFR, SWA, HFFR.

Application:

For use in power circuits of 600/1 000V earthed systems. Installed in Cable trays, Ducts and Underground.

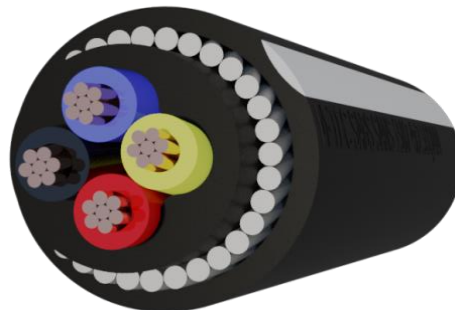
Voltage Rating: 600 / 1 000V

Specification: SANS 1507-5

Construction:

4 Core, Copper stranded circular conductor, XLPE Insulated, Halogen free flame retardant bedding, steel wire armoured, halogen free flame retardant Sheath.

SIZE CODE				LVCPX 4x(conductor size)ZH 1kV															
Conductor size	Conductor diameter	Insulation diameter	Bedding diameter	Armour diameter	Cable diameter	Cable mass	Cable gross mass	Bending radius	Current rating			Reactance	Resistance		Impedance	Capacitance	Short circuit ratings		Single phase volt drop
									Amps				Ω/km max					Symmetrical	
mm ² Nom.	mm Nom.	mm Nom.	mm Nom.	mm Nom.	mm Nom.	kg/m Nom.	500m Nom.	mm min.	air	ground	ducts	Ω/km	dc @ 20°C	ac @ 90°C	Ω /km	μF/km	kA (1sec)		mV/A/m
1.5	1.6	3.0	8.9	11.4	14.5	0.43	327	145	25	28	28	0.100	12.10	15.43	15.429	0.354	0.205	1.650	26.72
2.5	2.0	3.5	10.0	12.5	15.6	0.52	370	156	33	38	38	0.100	7.41	9.45	9.449	0.397	0.334	1.857	16.37
4	2.5	3.9	11.1	13.6	16.7	0.62	418	167	44	49	50	0.093	4.61	5.88	5.879	0.500	0.537	2.063	10.18
6	3.0	4.5	12.4	14.9	18.0	0.74	478	180	55	61	62	0.091	3.08	3.93	3.929	0.548	0.809	2.269	6.80
10	3.8	5.3	14.7	17.2	20.5	0.98	600	205	80	85	83	0.086	1.83	2.33	2.337	0.668	1.353	2.682	4.05
16	4.8	6.3	18.0	20.5	24.0	1.36	789	240	105	110	107	0.083	1.15	1.47	1.473	0.787	2.152	3.163	2.55



Item	Description
1	Annealed Copper conductor
2	Insulation
3	Binding tape (if applicable)
4	Bedding
5	Steel wire armour
6	Sheath
7	Asset management tape

Revision: R00 02/04/2019



The information contained within this document must not be copied, reprinted or reproduced in any form, either wholly or in part, without the written consent of M-TEC. The information is believed to be correct at the time of issue to the best of M-TEC's knowledge. M-TEC reserves the right to amend this specification without prior notification. This specification is not contractually valid unless specifically authorised by M-TEC. M-TEC shall not be liable for any damages whatsoever (including indirect, incidental, special, punitive or consequential damages and loss of profits, opportunities or information) arising from or result from the use of or reliance on information contained in this document, and/or any inaccuracy or omission in such information contained in this document.