

1.0/1.0kV Cross-linked Polyolefin Insulated and Sheathed Cable

Description: TC/XLPO/XLPO

Model Code: H1Z2Z2-K



Application :	This cable intended for use in photovoltaic power supply system. It is suitable for fixed installations indoor and outdoor, and within conduits or systems
Construction :	Flexible stranded tinned copper class 5 conductor, cross-linked polyolefin insulated and sheathed cable
Insulation Colour :	White
Sheath Colour :	Black
Rated Voltage :	AC U_0/U : 1.0/1.0kV; Max. DC: 1.5kV
Operating Temperature :	-40°C to +90°C, 2000h at 120°C
Specification :	EN50618, IEC60332-1-2, IEC60754, IEC61034-2

Part No.	Conductor		Nominal Insulation Thickness	Nominal Sheath Thickness	Approx. Overall Diam.	Approx. Weight	Minimum Insulation		Max. Conductor Resistance, DC @ 20 °C	Short Circuit Current 1 Second
	Nominal Area	Approx. Diam.					@ 20 °C	@ 90°C		
	(mm ²)	(mm)					(MΩ·km)	(MΩ·km)		
07019688	1x1.5	1.57	0.7	0.8	4.7	38	860	0.86	13.7	0.215
08019688	1x2.5	2.04	0.7	0.8	5.2	45	690	0.69	8.21	0.358
09019688	1x4	2.6	0.7	0.8	5.7	60	580	0.58	5.09	0.572
10019688	1x6	3.16	0.7	0.8	6.3	90	500	0.50	3.39	0.585
11019688	1x10	4.5	0.7	0.8	7.6	131	420	0.42	1.95	1.430
12019688	1x16	5.7	0.7	0.9	9.1	187	340	0.34	1.24	2.288
13019688	1x25	7.2	0.9	1.0	11.2	276	340	0.34	0.795	3.575
14019688	1x35	8.5	0.9	1.1	12.7	368	290	0.29	0.565	5.005
15019688	1x50	9.4	1.0	1.2	14.5	560	270	0.27	0.393	7.150
16019688	1x70	11.1	1.1	1.2	16.5	756	250	0.25	0.277	10.010
17019688	1x95	13.1	1.1	1.3	18.7	1036	220	0.22	0.210	13.585
18019688	1x120	14.8	1.2	1.3	20.4	1309	210	0.21	0.164	17.160
19019688	1x150	16.5	1.4	1.4	22.7	1636	210	0.21	0.132	21.450
20019688	1x185	18.3	1.6	1.6	25.2	2000	200	0.20	0.108	26.455
20019688	1x240	21.0	1.7	1.7	28.5	2607	200	0.20	0.0817	34.320