



National Cable and Wire Manufacturing Company

Tel. No. 00962 5 3651438 Fax No. 00962 5 3655602

Zarqa – Jordan



TECHNICAL DATA SHEET

Cable Size: Cable Type:		2X4 CU/XLPE/PVC/PVC/SWA/PVC	Voltage Graze: Specification:	600/1000 V IEC 60502-1
	DESCRIPTION	UNIT	PARTICULARS	
1	Type of cable		CU/XLPE/PVC/PVC/SWA/PVC	
	No. of cores	No.	2	
	Size of cable	SQMM	4	
	Voltage grade	V	600/1000 V	
	Specification		IEC 60502-1	
2	Conductor			
	Material		Plain annealed copper stranded	
	Shape		Round Stranded	
3	Insulation			
	Material		XLPE	
	Nominal Thickness	mm	0.7	
	Minimum Thickness	mm	0.53	
	Core identification		Red, Black	
4	Inner Sheath		Two Layers	
	Material		Extruded PVC	
	Minimum Thickness	mm	1 st layer	2 nd layer
	(Layers colors)		0.6mm Black	0.6mm Grey
5	Armouring			
	Material		Round Steel wires	
	Diameter of steel wire	mm	1.25	
6	Outer sheath			
	Material		Extruded PVC type ST2	
	Color		Black	
	Minimum Thickness	mm	1.8	
	Marking on outer sheath		Cableco Cable Standard	
7	Approximate overall diameter of cable	mm	16.0	
8	Approximate weight of cable	Kg/Km	611.0	
9	Nominal delivery length, +/- 5%	M	500	
10	Packing		On wooden Drums as per Cableco Practice	
11	Current Rating (air) at 30 Deg. C.	amps	53	
12	Current Rating (ground) at 20 Deg. C.	amps	63	
13	Short circuit of conductor at 1 sec.	KA	0.572	
14	Conductor Maximum operating Temperature	°C	90	
15	Maximum conductor temperature at short circuit	°C	250	
16	Max. DC resistance of conductor at 20 Deg. C.	Ohm/Km	4.61	
17	Voltage drop	V/A/KM	11.80	
18	Testing		Routine test as per IEC 60502-1	

Embossing shall contain the following information in English language only on one side of cable at max. spacing of 1 mt

ELECTRIC CABLE 600/1000 V Cableco CABLE JORDAN 2X4 SQMM CU/XLPE/PVC/SWA/PVC Month

YEAR OF MANUFACTURING IEC 60502

Length marking shall be provided at each meter

** Installation Condition: Ambient Air Temp 30°C, Gnd Temp 20°C, Depth of laying 0.5m, Thermal Resistivity of Soil 1.2 K.m/w



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TECHNICAL DATA SHEET

Cable Size: Cable Type:		2X6 CU/XLPE/PVC/PVC/SWA/PVC	Voltage Grade: Specification:	600/1000 V IEC 60502-1
	DESCRIPTION	UNIT	PARTICULARS	
1	Type of cable		CU/XLPE/PVC/PVC/SWA/PVC	
	No. of cores	No.	2	
	Size of cable	SQMM	6	
	Voltage grade	V	600/1000 V	
	Specification		IEC 60502-1	
2	Conductor			
	Material		Plain annealed copper stranded	
	Shape		Round Stranded	
3	Insulation			
	Material		XLPE	
	Nominal Thickness	mm	0.7	
	Minimum Thickness	mm	0.53	
	Core identification		Red, Black	
4	Inner Sheath		Two Layers	
	Material		PVC Bedding	
	Minimum Thickness	mm	1 st layer	2 nd layer
	(Layers colors)		0.6mm Black	0.6mm Grey
5	Armouring			
	Material		Round Steel wires	
	Diameter of steel wire	mm	1.25	
6	Outer sheath			
	Material		Extruded PVC type ST2	
	Color		Black	
	Minimum Thickness	mm	1.8	
	Marking on outer sheath		Cableco Cable Standard	
7	Approximate overall diameter of cable	mm	17.0	
8	Approximate weight of cable	Kg/Km	707.0	
9	Nominal delivery length, +/- 5%	M	500	
10	Packing		On wooden Drums as per Cableco Practice	
11	Current Rating (air) at 30 Deg. C.	amps	67	
12	Current Rating (ground) at 20 Deg. C.	amps	79	
13	Short circuit of conductor at 1 sec.	KA	0.858	
14	Conductor Maximum operating Temperature	°C	90	
15	Maximum conductor temperature at short circuit	°C	250	
16	Max. DC resistance of conductor at 20 Deg. C.	Ohm/Km	3.08	
17	Voltage drop	V/A/KM	7.90	
18	Testing		Routine test as per IEC 60502-1	

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ELECTRIC CABLE 600/1000 V Cableco CABLE JORDAN 2X6 SQMM CU/XLPE/PVC/SWA/PVC Month

YEAR OF MANUFACTURING IEC 60502

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TECHNICAL DATA SHEET

Cable Size: Cable Type:		2X10 CU/XLPE/PVC/PVC/SWA/PVC	Voltage Grade: Specification:	600/1000 V IEC 60502-1
	DESCRIPTION	UNIT	PARTICULARS	
1	Type of cable		CU/XLPE/PVC/PVC/SWA/PVC	
	No. of cores	No.	2	
	Size of cable	SQMM	10	
	Voltage grade	V	600/1000 V	
	Specification		IEC 60502-1	
2	Conductor			
	Material		Plain annealed copper stranded	
	Shape		Round Stranded	
3	Insulation			
	Material		XLPE	
	Nominal Thickness	mm	0.7	
	Minimum Thickness	mm	0.53	
	Core identification		Red, Black	
4	Inner Sheath		Two Layers	
	Material		Extruded PVC	
	Minimum Thickness	mm	1 st layer	2 nd layer
			0.6mm	0.6mm
	(Layers colors)		Black	Grey
5	Armouring			
	Material		Round Steel wires	
	Diameter of steel wire	mm	1.25	
6	Outer sheath			
	Material		Extruded PVC type ST2	
	Color		Black	
	Minimum Thickness	mm	1.8	
	Marking on outer sheath		Cableco Cable Standard	
7	Approximate overall diameter of cable	mm	19.0	
8	Approximate weight of cable	Kg/Km	882.0	
9	Nominal delivery length, +/- 5%	M	500	
10	Packing		On wooden Drums as per Cableco Practice	
11	Current Rating (air) at 30 Deg. C.	amps	91	
12	Current Rating (ground) at 20 Deg. C.	amps	105	
13	Short circuit of conductor at 1 sec.	KA	1.43	
14	Conductor Maximum operating Temperature	°C	90	
15	Maximum conductor temperature at short circuit	°C	250	
16	Max. DC resistance of conductor at 20 Deg. C.	Ohm/Km	1.83	
17	Voltage drop	V/A/KM	4.70	
18	Testing		Routine test as per IEC 60502-1	

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ELECTRIC CABLE 600/1000 V Cableco CABLE JORDAN 2X10 SQMM CU/XLPE/PVC/SWA/PVC Month

YEAR OF MANUFACTURING IEC 60502

Length marking shall be provided at each meter

** Installation Condition: Ambient Air Temp 30°C, Gnd Temp 20°C, Depth of laying 0.5m, Thermal Resistivity of Soil 1.2 K.m/w