



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:		3X95+70+16 3AL+AL.ALLOY+AL/HDPE		Voltage Grade: Specification:	600/1000 V IEC 60502-1
	DESCRIPTION		UNIT	PARTICULARS	
1	Insulation material of phase conductors			H.D.P.E	
2	Insulation thickness of phase conductors		mm	1.6	
3	Number of strands	Phase conductors	No.	15 (min)	
		Messenger	No.	7	
4	Nominal diameter of Conductor	Phase conductors	mm	11 – 12	
		Messenger	mm	9.3-10.7	
5	Nominal cross-section area of bare conductor	Phase Conductor	mm ²	95	
		Messenger	mm ²	70	
6	DC resistance at 20 °C max	Phase conductor	Ω/Km	0.32	
		Messenger	Ω/Km	0.493	
7	Tensile strength of (min)/breaking load	Phase conductor	KN	15.3	
		Messenger	KN	20.6	
8	Diameter of Cable (OVERALL)		mm	Approx. 37	
9	Total weight		kg/km	Approx. 1300	
10	Standard drum length offered and tolerance		Meter	1000 ±5%	
11	Gross weight of the cable drum		kg	Approx. 1650	
12	Short circuit current for 1 Sec. Max.		A	8.9	
13	Insulation material is black and weather resistant			YES, H.D.P.E	
14	Tensile strength of insulation		Minimum	12.5	
15	Elongation (%) at break			300	
16	Phase identification			2,3,4 - Ridges	
17	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

ELECTRICAL CABLE 600/1000 V Cableco CABLE JORDAN 3X95+70+16 SQMM 3AL+AL.ALLOY+AL/HDPE Month

YEAR OF MANUFACTURING IEC 60502

Length marking shall be provided at each meter



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	DESCRIPTION		UNIT	PARTICULARS	
1	Insulation material of phase conductors			H.D.P.E	
2	Insulation thickness of phase conductors		mm	1.6	
3	Number of strands	Phase conductors	No.	15 (min)	
		Messenger	No.	7	
4	Nominal diameter of Conductor	Phase conductors	mm	12.3 – 13.5	
		Messenger	mm	9.3-10.7	
5	Nominal cross-section area of bare conductor	Phase Conductor	mm ²	120	
		Messenger	mm ²	70	
6	DC resistance at 20 °C max	Phase conductor	Ω/Km	0.253	
		Messenger	Ω/Km	0.493	
7	Tensile strength of (min)/breaking load	Phase conductor	KN	19.4	
		Messenger	KN	20.6	
8	Diameter of Cable (OVERALL)		mm	Approx. 45	
9	Total weight		kg/km	Approx. 1525	
10	Standard drum length offered and tolerance		Meter	1000 ±5%	
11	Gross weight of the cable drum		kg	Approx. 1875	
12	Short circuit current for 1 Sec. Max.		A	11.3	
13	Insulation material is black and weather resistant			YES, H.D.P.E	
14	Tensile strength of insulation		Minimum	12.5	
15	Elongation (%) at break			300	
16	Phase identification			2,3,4 - Ridges	
17	Testing			Routine test as per IEC 60502-1	

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