



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



National Cable and Wire Manufacturing Company

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Zarqa – Jordan



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	

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 2X6 SQMM CU/XLPE/PVC/SWA/PVC Month

YEAR OF MANUFACTURING IEC 60502

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** 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:		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	

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 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



National Cable and Wire Manufacturing Company
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TECHNICAL DATA SHEET

Cable Size: Cable Type:		4X4 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.	4	
	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, Yellow, Blue, 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	18.0	
8	Approximate weight of cable	Kg/Km	761.0	
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	45	
12	Current Rating (ground) at 20 Deg. C.	amps	53	
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	10.20	
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 4X4 SQMM CU/XLPE/PVC/SWA/PVC Month

YEAR OF MANUFACTURING IEC 60502

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TECHNICAL DATA SHEET

Cable Size: Cable Type:		4X6 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.	4	
	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, Yellow, Blue, 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	904.0	
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	56	
12	Current Rating (ground) at 20 Deg. C.	amps	67	
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	6.80	
18	Testing		Routine test as per IEC 60502-1	

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ELECTRIC CABLE 600/1000 V Cableco CABLE JORDAN 4X6 SQMM CU/XLPE/PVC/SWA/PVC Month

YEAR OF MANUFACTURING IEC 60502

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TECHNICAL DATA SHEET

Cable Size: Cable Type:		4X10 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.	4	
	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, Yellow, Blue, 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	1.6	
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	22.0	
8	Approximate weight of cable	Kg/Km	1305.0	
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	79	
12	Current Rating (ground) at 20 Deg. C.	amps	89	
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	4.0	
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 4X10 SQMM CU/XLPE/PVC/SWA/PVC Month

YEAR OF MANUFACTURING IEC 60502

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** 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:		4X16 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.	4	
	Size of cable	SQMM	16	
	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, Yellow, Blue, 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	1.6	
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	25.0	
8	Approximate weight of cable	Kg/Km	1676.0	
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	103	
12	Current Rating (ground) at 20 Deg. C.	amps	115	
13	Short circuit of conductor at 1 sec.	KA	2.288	
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	1.15	
17	Voltage drop	V/A/KM	2.50	
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 4X16 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



National Cable and Wire Manufacturing Company
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Zarqa – Jordan



TECHNICAL DATA SHEET

Cable Size: Cable Type:		4X25 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.	4	
	Size of cable	SQMM	25	
	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	0.9	
	Minimum Thickness	mm	0.71	
	Core identification		Red, Yellow, Blue, 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	1.6	
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	29.0	
8	Approximate weight of cable	Kg/Km	2304.0	
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	134	
12	Current Rating (ground) at 20 Deg. C.	amps	147	
13	Short circuit of conductor at 1 sec.	KA	3.575	
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	0.727	
17	Voltage drop	V/A/KM	1.65	
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 4X25 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



National Cable and Wire Manufacturing Company
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Zarqa – Jordan



TECHNICAL DATA SHEET

Cable Size: Cable Type:		4X35 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.	4	
	Size of cable	SQMM	35	
	Voltage grade	V	600/1000 V	
	Specification		IEC 60502-1	
2	Conductor			
	Material		Plain annealed copper stranded	
	Shape		Sectoral stranded Compact	
3	Insulation			
	Material		XLPE	
	Nominal Thickness	mm	0.9	
	Minimum Thickness	mm	0.71	
	Core identification		Red, Yellow, Blue, 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	1.6	
6	Outer sheath			
	Material		Extruded PVC type ST2	
	Color		Black	
	Minimum Thickness	mm	1.9	
	Marking on outer sheath		Cableco Cable Standard	
7	Approximate overall diameter of cable	mm	30.0	
8	Approximate weight of cable	Kg/Km	2640.0	
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	165	
12	Current Rating (ground) at 20 Deg. C.	amps	177	
13	Short circuit of conductor at 1 sec.	KA	5.005	
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	0.524	
17	Voltage drop	V/A/KM	1.15	
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 4X35 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:		4X50 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.	4	
	Size of cable	SQMM	50	
	Voltage grade	V	600/1000 V	
	Specification		IEC 60502-1	
2	Conductor			
	Material		Plain annealed copper stranded	
	Shape		Sectoral stranded Compact	
3	Insulation			
	Material		XLPE	
	Nominal Thickness	mm	1.0	
	Minimum Thickness	mm	0.8	
	Core identification		Red, Yellow, Blue, Black	
4	Inner Sheath		Two Layers	
	Material		Extruded PVC	
	Minimum Thickness	mm	1 st layer	2 nd layer
	(Layers colors)		0.8mm Black	0.8mm Grey
5	Armouring			
	Material		Round Steel wires	
	Diameter of steel wire	mm	2.0	
6	Outer sheath			
	Material		Extruded PVC type ST2	
	Color		Black	
	Minimum Thickness	mm	2.0	
	Marking on outer sheath		Cableco Cable Standard	
7	Approximate overall diameter of cable	mm	35.0	
8	Approximate weight of cable	Kg/Km	3694.0	
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	201	
12	Current Rating (ground) at 20 Deg. C.	amps	211	
13	Short circuit of conductor at 1 sec.	KA	7.15	
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	0.387	
17	Voltage drop	V/A/KM	0.87	
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 4X50 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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Zarqa – Jordan



TECHNICAL DATA SHEET

Cable Size: Cable Type:		4X70 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.	4	
	Size of cable	SQMM	70	
	Voltage grade	V	600/1000 V	
	Specification		IEC 60502-1	
2	Conductor			
	Material		Plain annealed copper stranded	
	Shape		Sectoral stranded Compact	
3	Insulation			
	Material		XLPE	
	Nominal Thickness	mm	1.1	
	Minimum Thickness	mm	0.89	
	Core identification		Red, Yellow, Blue, Black	
4	Inner Sheath		Two Layers	
	Material		Extruded PVC	
	Minimum Thickness	mm	1 st layer	2 nd layer
			0.8mm	0.8mm
	(Layers colors)		Black	Grey
5	Armouring			
	Material		Round Steel wires	
	Diameter of steel wire	mm	2.0	
6	Outer sheath			
	Material		Extruded PVC type ST2	
	Color		Black	
	Minimum Thickness	mm	2.2	
	Marking on outer sheath		Cableco Cable Standard	
7	Approximate overall diameter of cable	mm	40.0	
8	Approximate weight of cable	Kg/Km	4769.0	
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	253	
12	Current Rating (ground) at 20 Deg. C.	amps	258	
13	Short circuit of conductor at 1 sec.	KA	10.01	
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	0.268	
17	Voltage drop	V/A/KM	0.60	
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 4X70 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



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:		4X95 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.	4	
	Size of cable	SQMM	95	
	Voltage grade	V	600/1000 V	
	Specification		IEC 60502-1	
2	Conductor			
	Material		Plain annealed copper stranded	
	Shape		Sectoral stranded Compact	
3	Insulation			
	Material		XLPE	
	Nominal Thickness	mm	1.1	
	Minimum Thickness	mm	0.89	
	Core identification		Red, Yellow, Blue, Black	
4	Inner Sheath		Two Layers	
	Material		Extruded PVC	
	Minimum Thickness	mm	1 st layer	2 nd layer
			0.8mm	0.8mm
	(Layers colors)		Black	Grey
5	Armouring			
	Material		Round Steel wires	
	Diameter of steel wire	mm	2.5	
6	Outer sheath			
	Material		Extruded PVC type ST2	
	Color		Black	
	Minimum Thickness	mm	2.3	
	Marking on outer sheath		Cableco Cable Standard	
7	Approximate overall diameter of cable	mm	45.0	
8	Approximate weight of cable	Kg/Km	6405.0	
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	311	
12	Current Rating (ground) at 20 Deg. C.	amps	309	
13	Short circuit of conductor at 1 sec.	KA	13.585	
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	0.193	
17	Voltage drop	V/A/KM	0.45	
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 4X95 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



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:		4X120 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.	4	
	Size of cable	SQMM	120	
	Voltage grade	V	600/1000 V	
	Specification		IEC 60502-1	
2	Conductor			
	Material		Plain annealed copper stranded	
	Shape		Sectoral stranded Compact	
3	Insulation		XLPE	
	Material			
	Nominal Thickness	mm	1.2	
	Minimum Thickness	mm	0.98	
	Core identification		Red, Yellow, Blue, Black	
4	Inner Sheath		Two Layers	
	Material		Extruded PVC	
	Minimum Thickness	mm	1 st layer	2 nd layer
			1.0mm	1.0mm
	(Layers colors)		Black	Grey
5	Armouring			
	Material		Round Steel wires	
	Diameter of steel wire	mm	2.5	
6	Outer sheath			
	Material		Extruded PVC type ST2	
	Color		Black	
	Minimum Thickness	mm	2.5	
	Marking on outer sheath		Cableco Cable Standard	
7	Approximate overall diameter of cable	mm	50.0	
8	Approximate weight of cable	Kg/Km	7861.0	
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	361	
12	Current Rating (ground) at 20 Deg. C.	amps	352	
13	Short circuit of conductor at 1 sec.	KA	17.16	
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	0.153	
17	Voltage drop	V/A/KM	0.37	
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 4X120 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



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:		4X150 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.	4	
	Size of cable	SQMM	150	
	Voltage grade	V	600/1000 V	
	Specification		IEC 60502-1	
2	Conductor			
	Material		Plain annealed copper stranded	
	Shape		Sectoral stranded Compact	
3	Insulation		XLPE	
	Material		1.4	
	Nominal Thickness	mm	1.16	
	Minimum Thickness	mm	Red, Yellow, Blue, Black	
4	Core identification			
	Inner Sheath		Two Layers	
	Material		Extruded PVC	
	Minimum Thickness	mm	1 st layer	2 nd layer
	(Layers colors)		1.0mm	1.0mm
5	Armouring		Black	Grey
	Material		Round Steel wires	
	Diameter of steel wire	mm	2.5	
6	Outer sheath			
	Material		Extruded PVC type ST2	
	Color		Black	
	Minimum Thickness	mm	2.6	
7	Marking on outer sheath		Cableco Cable Standard	
8	Approximate overall diameter of cable	mm	55.0	
9	Approximate weight of cable	Kg/Km	9269.0	
10	Nominal delivery length, +/- 5%	M	500	
11	Packing		On wooden Drums as per Cableco Practice	
12	Current Rating (air) at 30 Deg. C.	amps	413	
13	Current Rating (ground) at 20 Deg. C.	amps	394	
14	Short circuit of conductor at 1 sec.	KA	21.45	
15	Conductor Maximum operating Temperature	°C	90	
16	Maximum conductor temperature at short circuit	°C	250	
17	Max. DC resistance of conductor at 20 Deg. C.	Ohm/Km	0.124	
18	Voltage drop	V/A/KM	0.30	
19	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 4X150 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



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:		4X185 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.	4	
	Size of cable	SQMM	185	
	Voltage grade	V	600/1000 V	
	Specification		IEC 60502-1	
2	Conductor			
	Material		Plain annealed copper stranded	
	Shape		Sectoral stranded Compact	
3	Insulation		XLPE	
	Material		1.6	
	Nominal Thickness	mm	1.34	
	Minimum Thickness	mm	Red, Yellow, Blue, Black	
4	Core identification			
	Inner Sheath		Two Layers	
	Material		Extruded PVC	
	Minimum Thickness	mm	1 st layer	2 nd layer
	(Layers colors)		1.1mm Black	1.1mm Grey
5	Armouring			
	Material		Round Steel wires	
	Diameter of steel wire	mm	2.5	
6	Outer sheath			
	Material		Extruded PVC type ST2	
	Color		Black	
	Minimum Thickness	mm	2.8	
7	Marking on outer sheath		Cableco Cable Standard	
8	Approximate overall diameter of cable	mm	61.0	
9	Approximate weight of cable	Kg/Km	11265.0	
10	Nominal delivery length, +/- 5%	M	500	
11	Packing		On wooden Drums as per Cableco Practice	
12	Current Rating (air) at 30 Deg. C.	amps	475	
13	Current Rating (ground) at 20 Deg. C.	amps	444	
14	Short circuit of conductor at 1 sec.	KA	26.455	
15	Conductor Maximum operating Temperature	°C	90	
16	Maximum conductor temperature at short circuit	°C	250	
17	Max. DC resistance of conductor at 20 Deg. C.	Ohm/Km	0.0991	
18	Voltage drop	V/A/KM	0.26	
19	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 4X185 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



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:		4X240 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.	4	
	Size of cable	SQMM	240	
	Voltage grade	V	600/1000 V	
	Specification		IEC 60502-1	
2	Conductor			
	Material		Plain annealed copper stranded	
	Shape		Sectoral stranded Compact	
3	Insulation		XLPE	
	Material			
	Nominal Thickness	mm	1.7	
	Minimum Thickness	mm	1.43	
	Core identification		Red, Yellow, Blue, Black	
4	Inner Sheath		Two Layers	
	Material		Extruded PVC	
	Minimum Thickness	mm	1 st layer	2 nd layer
	(Layers colors)		1.1mm Black	1.1mm Grey
5	Armouring			
	Material		Round Steel wires	
	Diameter of steel wire	mm	2.5	
6	Outer sheath			
	Material		Extruded PVC type ST2	
	Color		Black	
	Minimum Thickness	mm	3.0	
	Marking on outer sheath		Cableco Cable Standard	
7	Approximate overall diameter of cable	mm	67.0	
8	Approximate weight of cable	Kg/Km	14021.0	
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	561	
12	Current Rating (ground) at 20 Deg. C.	amps	513	
13	Short circuit of conductor at 1 sec.	KA	34.32	
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	0.0754	
17	Voltage drop	V/A/KM	0.21	
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 4X240 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



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:		4X300 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.	4	
	Size of cable	SQMM	300	
	Voltage grade	V	600/1000 V	
	Specification		IEC 60502-1	
2	Conductor			
	Material		Plain annealed copper stranded	
	Shape		Sectoral stranded Compact	
3	Insulation		XLPE	
	Material			
	Nominal Thickness	mm	1.8	
	Minimum Thickness	mm	1.52	
	Core identification		Red, Yellow, Blue, Black	
4	Inner Sheath		Two Layers	
	Material		Extruded PVC	
	Minimum Thickness	mm	1 st layer	2 nd layer
	(Layers colors)		1.1mm Black	1.1mm Grey
5	Armouring			
	Material		Round Steel wires	
	Diameter of steel wire	mm	2.5	
6	Outer sheath			
	Material		Extruded PVC type ST2	
	Color		Black	
	Minimum Thickness	mm	3.3	
	Marking on outer sheath		Cableco Cable Standard	
7	Approximate overall diameter of cable	mm	73.0	
8	Approximate weight of cable	Kg/Km	16716.0	
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	639	
12	Current Rating (ground) at 20 Deg. C.	amps	574	
13	Short circuit of conductor at 1 sec.	KA	42.9	
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	0.0607	
17	Voltage drop	V/A/KM	0.185	
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 4X300 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