	1	2		3		4		5		6		7		8		9		10		11		
		PHYSICAL CHARACTERISTICS								ELEC	CTRICAL CH	IARACTERISTICS					MECHANIC	AL CHARA	CTERISTICS			
Α		MATERIAL	CABLE	WIRE	WIDTH	THICK 1	WEIGHT		V	VITHSTAND	LIMIT (SYM) 2			RESISTANCE 3,4		GEOMETRY		BREAK LOAD		,5	1 /	
								Electro-						Flow along	Flow into	Cross sec		-	Year 1	Year 30		
			Overall Diameter	Individual Diameter	Average Width	Average Thickness	Linear Weight	Thermal Capacity	3-cycles 50 ms	6-cycles 100 ms	500 ms	1 sec	300-cycle 5 sec	conductor "r"	GROUND "R"	Area of Copper	Contact Area	Tensile	Max Force	Max force Aggressive		
		(Symbol)	(mm)	(mm)	(mm)	(mm)	(kg/km)	(Amp ² t)	(kA)	(kA)	(kA)	(kA)	(kA)	(Ω/km)	(Ω/km)	(mm ²)	(mm)	(ksi)	(Newton)	(Newton)		
В																						
	150 mm ²	Cu	15.8	2.3	-	-	1,326	1,716	185	131	59	41	19	0.12	0.298	147.1	76.3	33	30,124	17,245		
	ARMOR-1720 [™]	Cu/Fe	-	-	90.2	2.1	1,522	1,886	194	137	61	43	19	0.17	0.256	104.1	184.6	42	55,345	42,697		
	120 mm ²	Cu	14.0	2.8	-	-	1,055	1,085	147	104	47	33	15	0.15	0.300	117.0	63.3	33	23,956	15,502		
	ARMOR-1090 [™]	Cu/Fe	-	-	68.4	2.1	1,153	1,193	154	109	49	35	15	0.23	0.262	79.1	140.9	42	41,956	32,314		
С	95 mm ²	0	40.5	0.5			0.44	600	447	00	07	00	40	0.40	0.000	00.0	04.0	00	10.000	14 047		
	95 mm ARMOR-690 [™]	Cu Cu/Fe	12.5 -	2.5	- 51.2	- 2.1	841 864	690 758	117 123	83 87	37 39	26 28	12 12	0.19 0.28	0.302 0.269	93.3 59.5	61.3 106.6	33 42	19,098 31,409	11,647 24,134		
	74411014 030	Guire			01.2	2.1	004	700	120	07	00	20	12	0.20	0.200	00.0	100.0	72	01,400	24,104		
	70 mm ²	Cu	10.5	2.1	-	-	593	343	83	59	26	19	8	0.27	0.305	65.8	51.5	33	13,475	7,364		
	ARMOR-350 [™]	Cu/Fe	-	-	31.3	2.1	528	377	87	61	27	19	9	0.38	0.281	36.7	66.8	42	19,202	14,667]	
E																						
_																					_	
	* NOTES:																					
	1.)	Average th	ickness of	2.1 mm acc	ommodate	s manufactu	ıring tolera	nce of +/- 0	.08 mm.		5.)	Max break load at "Year 30" assumes high corrosion losses for buried copper suraces in "aggressive"										
	2.)	test report	PL-05485	REP1, issue	d 2024-08-	is validated -30, which bu	uilds upon (-				soils containing sulfides and low aeration per Denison and Romanoff's equations (March 1950). See XDWG-104 for details.										
\dashv	3.)	6th 2024, as well as historical tests PL-02931 and PL-05329. 3.) Resistance "R" for Shining Armor, or symetrical short circuit current flow into the GROUND, is									EXETER GROUND, LLC											
	J.,	calculated by the Rudenburg's equations (January 1945) using assumed homogenous soil resistivity PAIENI Copyright © Nov. 15, 2024, Exeter Ground LLC AFRICA & MIDDLE FASTIVE COMMERCIAL PERFORMANCE CHAR									1ANCE CHARA	CTERISTICS FOR EUROPE										
G	4.)												JTJordan	Size	Drawing No.		Rev					
		IACS) is eq	ιuivalent to	~70% nominal conduc		tivity of copper.							CONFIDENTIAL AND PROPRIETARY ORMATION OF EXETER GROUND, LLC.			Approved Date	JTJordan 10/25/2024	В	XDW	÷-201	- Sheet 1	
	1] :	2	3	3	4	ļ	5	5	(6		7	8	1		9		10		l1	