

LOW VOLTAGE ARMOURED CABLE



Drawing is only illustrative

CABLE CONSTRUCTION AND SPECIFICATIONS

CONDUCTOR SOLID cl. 1 red copper

> RIGID cl. 2 red copper FLEXIBLE cl. 5 red copper

INSULATION PVC.

HEPR

XLPE

INNER SHEATH

PVC

HALOGEN FREE

ARMOUR

Galvanized Steel TAPES

Galvanized Steel WIRES

Galvanized Steel STRIPS

Galvanized Steel WIRE BRAID

CHARACTERISTICS

Nominal voltage Uo

Maximum operating temperature

Maximum short circuit temperature - 15° C Min. operating temperature (without mechanical shocks)

Minimum installation and use temperature

Minimun bending radius per D cable diameter (in mm)

Minimum pulling stress

0,6 - 1 KV

 $+90^{\circ}$ C

+ 250° C

0° C

14 D

During installation

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				ΔК	w			KII	

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\mathbf{D}^{Λ}	TA	СЦ	EE	П
υF	A I A	\SH	CC	Ш
			_	

1			70						
	Core number	Cross section	Approx external production diameter	Approx cable weight					
	(N°)	(mm²)	(mm)	(kg/km)					
	- OK	TWO	COREC						
		IWO	CORES						
	2x	1.5	12.7	255 CRE					
1	2x	2.5 REL	13.7	299					
1	2x)	4	14.9	356					
	2x	6	16.1	421					
	2x	10	18.2	602					
	2x	RE16" TOP	20.4	780					
2	TOP 2x FOR	25	24.0	1166					
	2x	35	26.6	1449					
	2x	50	30.5	1898 ORL					
)	2x Fills	RELL 70 RELL	FOR 34.3 FOR	2732					
P	2x F	95	38.6	3315					
	2x	120	43.0	4521					
	2x	150	47.5	5778					
	TAL	DEL RE	COK FOR	1,0					
	THREE CORES								

3x	1.5	13.3	279
3x	2.5	14.3	334 GORD
3x	a Elli	15.6	404
3x	6	16.9	487
3x	10	19.2	711
3x	16)	21.5	987
3x BELL	DRE 25 CRES	25.4	1409
EORD 3x FOR	35	28.3	1809
3x	50	32.4	2347
3x	70 100	36.8 ELL	3366 ORI
3x	95	41.2	4514
50 3x	120	45.8	5879
3x	150	50.9	7191
3x	185	56.6	8367
_ RLIM 3x RELLI	240	63.3	10983
3x201	300	69.9	13837
ND RELIND	LIND FORELIND	RELIND FORELIND F	ORELIND FORELIND
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LOW VOLTAGE ARMOURED C	ABLE		PAGE 03
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			ND SLIMD OF
DATASHEET			
Comp.	Cross	Annuar	A 10 10 10 10 10 10 10 10 10 10 10 10 10
Core number	Cross section	Approx external	Approx cable
		production	weight
(N°)	(mm²)	diameter	(kg/km)
(W)	(IIIII)	(IIIIII)	(kg/kiii)
	FOUR	CORES	
4x	1.5	114.1 ELL	RE 315 ORE
4x	DELL 2.5 PELL	50RC 15.3 FOR	380
R 4x	FOR 4 FO	16.7	469
4x	6	18.4	572
4x	10 10	20.8	846
4x	ORF16 TOP	23.4	1216
CORP 4x FOR	25	27.7	1729
3x 35 -	- 1x 25	30.4	2107
3x 50 -	+ 1x 25	33.6 RELI	2694 OR
3x 70 -	- 1x 35	38.2	3714
3x 95	1x 50	43.4	5014
3x 120 H	- 1x 70	48.3	6594
	1x 95	53.9	8109
3x 185		58.9	9340
3x 240 H		66.9	12395
3x 300 H	- 1x 150	69.9	13837
	FIVE (CODEC	ott. okt
FO5G FO	1.5	15.1	374
5G	2.5	16.4	455
5G) (14)	18.2	565
5G PEILL	TOREL 6 FORLY	19.8	691
FORD 5G FORD	10	22.4	1076
5G	16	25.4	1477
5G 5G	25	30.5	2095 2836
FOR FOR	35 50	39.5	4004
70-30			MD FLIND
ORELIND' FORELIND	FORELIND FORELIN	FORELL FOREL	FORL FOR
NO SELIND			ORELIND' FORELIND'



LOW VOLTAGE ARMOURED CABLE

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DATASHEET

		ARU COM	TiO'			
Core number		Cross section	Approx external production diameter	Approx cable weight		
(N°)		(mm²)	(mm)	(kg/km)		
	- U	MULTI	CORES			
	7x	1.5	15.1 PELL	RE 427 ORE		
1	7x 7x	2.5 REL	17.8	533		
	10x	1.5	19.7	469		
	10x	2.5	21.6	681		
	12x	1.5	20.2	611R		
	12x	2.5 OR	22.2	780		
3	TOP 16x FOR	1.5	22.0	738		
	16x	2.5	24.3	1003		
	19x	1.5	23.0	863 CORE		
	19x	2.5	25.4	1116		
	24x	1.5	26.4	1033		
	24x	2.5	29.3	1348		

NOTE

Multicores cables can be manufactured with Y/G core too.

Current carrying capacities for single core cables are calculated on 3 close cables, for two core cables with two charged conductors and for three core cables with three charged conductors. Outer diameters are nominal and they can have variations of max +/- 3%. Current carrying capacities according to UNEL 35026 with underground laying standard CEI 64-8-61 (ground temp=20°C, depth=0.8m, ground resistivity=1.5 k m/W.).

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		• 0		M		FLI	REL
	MEDIUM VOLTAGE ((ARMOURED) CABLE					PAGE 05
°	ORELIND FOR	ELIND' FORELIN	D' FORELINI	FORELI	FOREL		
		FORELIND FOR	RELIND FOR				RORELIND
	RELIND FORE	IND FORELING	FORELIND	FORELIN	FORELIN	FORELL	FOREL
							ORELIND'S
Y	ELIND FORELY			FORELIND	FORELIN		TIMP
Z		ORELIND FORE	LIND				
	FORELIN						
		RELIND FORELL	ND FORELL	FOREI	FORELIND		
<i>)</i> '	IND FORELING	FORELIND' F	ORELIND' FO	PRELIND'	OREL		
		ELIND FORELIN	D' FORELIN'	FOREL	FORL		FORELIND
N	ND' SELIND	RELIND'	RELL FOR	E. E.)Kr F	301	ho.



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