



TECHNICAL DATA SHEET

YXV, (N2XY)

CU/XLPE/PVC/PVC

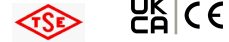
CABLE

Date	04.05.2021
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Revision No	0
Revision Date	-

Cable Type : 0,6/1 kV XLPE INSULATED, MULTI-CORE CABLES WITH COPPER CONDUCTORS.



CERTIFICATE/APPROVAL



CABLE DESCRIPTION

CONSTRUCTION	
STANDARD	: IEC 60502-1
(1) CONDUCTOR	: CLASS 1 & 2 EN 60228 RE: Class 1 solid copper conductor RM: Class 2 stranded copper conductor
(2) INSULATION	: XLPE (Cross-Linked Polyethylene)
(3) FILLER	: PVC (Polyvinyl Chloride)
(4) SHEATH	: PVC (Polyvinyl Chloride)
CHARACTERISTICS	
OPERATING TEMPERATURE	: -5°C / +90 °C
MAX. SHORT CIRCUIT TEMPERATURE	: 250 °C (max. 5 sec.)
NOMINAL VOLTAGE (U ₀ /U)	: 600 / 1000 V
TEST VOLTAGE	: 3500 V
MINIMUM BENDING RADIUS	: 12 x D D = Cable Diameter
INSULATION COLOR	
HD 308 S2	
2 core.: Blue – Brown	
3 core.: Green/Yellow – Blue – Brown	
4 core.: Green/Yellow – Brown – Black – Grey	
5 core.: Green/Yellow – Blue – Brown – Black – Grey	
SHEATH COLOUR	
Black	Green
FLAME RETARDANT	
IEC 60332-1-2	
APPLICATIONS	
These cables have a low dielectric loss, used indoors and outdoors, in cable ducts, underground, in power or switching stations, local energy distributions, industrial plants, where there is no risk of mechanical damage.	



Factory Address: Hacı Eyüplü Mah. Akça cad. 151/A Merkezefendi Denizli TURKEY
Tel: +90 258 3720110 (pbx) Fax: +90 258 3711393
Office Address: Perpa Ticaret Merkezi 8. Kat A Blok No: 914 Şişli İstanbul TURKEY
Tel: +90 212 2105079 +90 212 2105092 Fax: +90 212 2105075

www.carkitkablo.com



CABLE DIAMETERS

NUMBER AND NOMINAL CROSS-SECTIONAL AREA OF CONDUCTORS	CONDUCTOR TYPE	COPPER DIMENSION	THICKNESS OF INSULATION SPECIFIED VALUE	THICKNESS OF SHEATH SPECIFIED VALUE	AVERAGE OVERALL DIAMETER	MAX. RESISTANCE at 20°C	CURRENT CARRYING CAPACITY	
							IN GROUND at 20 °C	IN AIR at 30 °C
mm ²		mm	mm	mm	mm	Ω/km	A	A
2 x 1,5	RE	1,365	0,70	1,80	10,10	12,10	37	26
2 x 2,5	RE	1,74	0,70	1,80	10,90	7,41	49	36
2 x 4	RE	2,19	0,70	1,80	11,80	4,61	64	49
2 x 6	RE	2,69	0,70	1,80	12,80	3,08	79	63
2 x 10	RM	7/1,34	0,70	1,80	15,40	1,83	109	86
2 x 16	RM	7/1,69	0,70	1,80	17,60	1,15	137	115
2 x 25	RM	7/2,19	0,90	1,80	20,40	0,727	176	149
2 x 35	RM	7/2,60	0,90	1,80	22,60	0,524	213	185
2 x 50	RM	10/2,60	1,00	1,80	25,20	0,387	252	225
3 x 1,5	RE	1,365	0,70	1,80	10,60	12,10	30	24
3 x 2,5	RE	1,74	0,70	1,80	11,50	7,41	40	32
3 x 4	RE	2,19	0,70	1,80	12,40	4,61	52	42
3 x 6	RE	2,69	0,70	1,80	13,50	3,08	64	53
3 x 10	RM	7/1,34	0,70	1,80	16,50	1,83	86	73
3 x 16	RM	7/1,69	0,70	1,80	18,90	1,15	111	96
3 x 25	RM	7/2,19	0,90	1,80	21,70	0,727	143	130
3 x 35	RM	7/2,60	0,90	1,80	24,10	0,524	173	160
3 x 50	RM	10/2,60	1,00	1,80	26,90	0,387	205	195
3 x 70	RM	14/2,60	1,10	1,90	31,20	0,268	252	247
3 x 95	RM	19/2,60	1,10	2,00	36,30	0,193	303	305
3 x 120	RM	19/2,98	1,20	2,10	39,10	0,153	346	355
3 x 150	RM	24/2,98	1,40	2,30	47,10	0,124	390	407
3 x 185	RM	30/2,98	1,60	2,40	49,60	0,0991	441	469
3 x 240	RM	37/2,98	1,70	2,60	55,90	0,0754	511	551
3 x 16+10	RM	7/1,69	0,70	1,80	20,10	1,15	111	96
3 x 25+16	RM	7/2,19	0,90	1,80	23,50	0,727	143	130
3 x 35+16	RM	7/2,60	0,90	1,80	25,50	0,524	173	160
3 x 50+25	RM	10/2,60	1,00	1,80	28,60	0,387	205	195
3 x 70+35	RM	14/2,60	1,10	1,90	35,90	0,268	252	247
3 x 95+50	RM	19/2,60	1,10	2,10	41,00	0,193	303	305
3 x 120+70	RM	19/2,98	1,20	2,20	42,00	0,153	346	355
3 x 150+70	RM	24/2,98	1,40	2,30	47,10	0,124	390	407
3 x 185+95	RM	30/2,98	1,60	2,50	52,20	0,0991	441	469
3 x 240+120	RM	37/2,98	1,70	2,70	58,20	0,0754	511	551



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4 x 4	RE	2,19	0,70	1,80	13,40	4,61	52	42
4 x 6	RE	2,69	0,70	1,80	14,60	3,08	64	53
4 x 10	RM	7/1,34	0,70	1,80	17,90	1,83	86	73
4 x 16	RM	7/1,69	0,70	1,80	20,50	1,15	111	96
4 x 25	RM	7/2,19	0,90	1,80	24,20	0,727	143	130
4 x 35	RM	7/2,60	0,90	1,80	26,90	0,524	173	160
4 x 50	RM	10/2,60	1,00	1,90	30,20	0,387	205	195
4 x 70	RM	14/2,60	1,10	2,00	35,40	0,268	252	247
4 x 95	RM	19/2,60	1,10	2,10	40,90	0,193	303	305
4 x 120	RM	19/2,98	1,20	2,30	44,20	0,153	346	355
4 x 150	RM	24/2,98	1,40	2,40	49,00	0,124	390	407
5 x 1,5	RE	1,365	0,70	1,80	12,30	12,10	30	24
5 x 2,5	RE	1,74	0,70	1,80	13,40	7,41	40	32
5 x 4	RE	2,19	0,70	1,80	14,60	4,61	52	42
5 x 6	RE	2,69	0,70	1,80	16,00	3,08	64	53
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5 x 50	RM	10/2,60	1,00	2,00	33,40	0,387	205	195
5 x 70	RM	14/2,60	1,10	2,10	39,10	0,268	252	247
5 x 95	RM	19/2,60	1,10	2,30	45,50	0,193	303	305
5 x 120	RM	19/2,98	1,20	2,40	48,90	0,153	346	355
5 x 150	RM	24/2,98	1,40	2,60	54,40	0,124	390	407

Due to variables in production, the information on this data sheet is approximate and subject to change without any notice.

