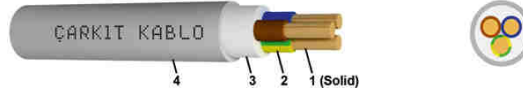







**Cable Type :** CABLES OF RATED VOLTAGES UP TO AND INCLUDING 300/500 V WITH SPECIAL FIRE PERFORMANCE AND HALOGEN-FREE INSULATION AND SHEATHED FOR FIXED WIRING



CERTIFICATE/APPROVAL



### CABLE DESCRIPTION

CONSTRUCTION	
STANDARD	: TSE K 328
( 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) Type 2X11
( 3 ) FILLER	: Halogen-free compound
( 4 ) SHEATH	: Halogen-free thermoplastic polymer compound Type HM2
CHARACTERISTICS	
OPERATING TEMPERATURE	: -5°C / +90 °C
MAX. SHORT CIRCUIT TEMPERATURE	: 250 °C (max. 5 sec.)
NOMINAL VOLTAGE (U <sub>0</sub> /U)	: 300 / 500 V
TEST VOLTAGE	: 2000 V
MINIMUM BENDING RADIUS	: 10 x D D: Cable Diameter
INSULATION COLOR	
<b>HD 308 S2</b>	
2 cond.: Blue – Brown	
3 cond.: Green/Yellow – Blue – Brown	
4 cond.: Green/Yellow – Brown – Black – Grey	
4 cond.: Blue – Brown – Black – Grey	
5 cond.: Green/Yellow – Blue – Brown – Black – Grey	
FLAME RETARDANT	
<b>IEC 60332-3-24 Cat. C</b>	
APPLICATIONS	
Used in refineries, hotels, schools, tunnels, high constructions, hospitals, power plants, data processing centers, populated business centers where there is a risk of fire.	



**CABLE DIAMETERS**

NUMBER AND NOMINAL CROSS-SECTIONAL AREA OF CONDUCTORS	CONDUCTOR TYPE	COPPER DIMENSION	THICKNESS OF INSULATION SPECIFIED VALUE	THICKNESS OF SHEATH SPECIFIED VALUE	MEAN OVERALL DIMENSIONS		MAX. RESISTANCE at 20°C
					LOWER LIMIT $\phi$	UPPER LIMIT $\phi$	
mm <sup>2</sup>		mm	mm	mm	mm	mm	$\Omega$ /km
2 x 1,5	RE	1,365	0,50	1,40	7,60	9,20	12,10
2 x 2,5	RE	1,74	0,50	1,40	8,40	10,10	7,61
2 x 4	RE	2,19	0,60	1,40	9,60	11,60	4,41
2 x 6	RE	2,69	0,60	1,40	10,60	12,80	3,08
2 x 10	RM	7/1,34	0,70	1,60	13,10	15,80	1,83
2 x 16	RM	7/1,69	0,70	1,60	15,40	18,60	1,15
2 x 25	RM	7/2,19	0,90	1,60	18,60	22,70	0,727
2 x 35	RM	7/2,60	0,90	1,80	21,30	25,80	0,524
3 x 1,5	RE	1,365	0,50	1,40	8,00	9,60	12,10
3 x 2,5	RE	1,74	0,50	1,40	8,70	10,60	7,61
3 x 4	RE	2,19	0,60	1,40	10,10	12,20	4,41
3 x 6	RE	2,69	0,60	1,60	11,50	13,90	3,08
3 x 10	RM	7/1,34	0,70	1,60	13,80	16,70	1,83
3 x 16	RM	7/1,69	0,70	1,60	16,50	20,00	1,15
3 x 25	RM	7/2,19	0,90	1,80	20,40	24,60	0,727
3 x 35	RM	7/2,60	0,90	1,80	22,70	27,40	0,524
4 x 1,5	RE	1,365	0,50	1,40	8,50	10,30	12,10
4 x 2,5	RE	1,74	0,50	1,40	9,50	11,50	7,61
4 x 4	RE	2,19	0,60	1,60	11,30	13,70	4,41
4 x 6	RE	2,69	0,60	1,60	12,70	15,30	3,08
4 x 10	RM	7/1,34	0,70	1,60	15,10	18,20	1,83
4 x 16	RM	7/1,69	0,70	1,60	18,00	21,80	1,15
4 x 25	RM	7/2,19	0,90	1,80	22,60	27,30	0,727
4 x 35	RM	7/2,60	0,90	1,80	24,90	30,00	0,524
5 x 1,5	RE	1,365	0,50	1,40	9,10	11,00	12,10
5 x 2,5	RE	1,74	0,50	1,40	10,20	12,30	7,61
5 x 4	RE	2,19	0,60	1,60	12,50	15,10	4,41
5 x 6	RE	2,69	0,60	1,60	13,70	16,60	3,08
5 x 10	RM	7/1,34	0,70	1,60	16,30	19,70	1,83
5 x 16	RM	7/1,69	0,70	1,80	19,70	23,80	1,15
5 x 25	RM	7/2,19	0,90	1,80	24,70	29,80	0,727
5 x 35	RM	7/2,60	0,90	1,80	27,50	33,20	0,524

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

