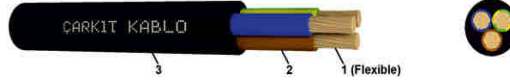









**Cable Type** : FLEXIBLE CABLES WITH CROSSLINKED ELASTOMERIC INSULATION.



CERTIFICATE/APPROVAL



### CABLE DESCRIPTION

CONSTRUCTION		
STANDARD	:	EN 50525-2-21
( 1 ) CONDUCTOR	:	Class 5 flexible copper conductor according to EN 60228
( 2 ) INSULATION	:	Ethylene Propylene Rubber (EPR) Type EI4
( 3 ) SHEATH	:	Polychloroprene (PCP) Type EM2
CHARACTERISTICS		
OPERATING TEMPERATURE	:	Flexed -15°C / +60 °C Fixed -30°C / +60 °C
MAX. SHORT CIRCUIT TEMPERATURE	:	200 °C (max. 5 sec.)
NOMINAL VOLTAGE (U <sub>0</sub> /U)	:	450 / 750 V
TEST VOLTAGE	:	2500 V
MINIMUM BENDING RADIUS	:	Flexed: 6 x overall diameter Fixed: 4 x overall 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		
6 core and above. Green/Yellow – (Black & White) numbered cores		
FLAME RETARDANT IEC 60332-1-2		
 		
APPLICATIONS		
These cables are designed to provide high flexibility and have the capacity to withstand weather, oils/greases, mechanical and thermal stresses. Applications include handling equipment, mobile power supplies, worksites, stage and audio visual equipment, port areas and dams. Also for use in drainage and water treatment, cold environments and severe industrial environments.		





## TECHNICAL DATA SHEET H07RN-F CABLE

Date	04.05.2021
Referans No	
Total Page	2/2
Revision No	0
Revision Date	-

### CABLE DIAMETERS

NUMBER AND NOMINAL CROSS-SECTIONAL AREA OF CONDUCTORS	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
<b>H07RN-F</b>						
2 x 1	29 / 0,20	0,80	1,30	7,70	10,00	19,50
2 x 1,5	27 / 0,25	0,80	1,50	8,50	11,00	13,30
2 x 2,5	45 / 0,25	0,90	1,70	10,20	13,10	7,98
2 x 4	50 / 0,30	1,00	1,80	11,80	15,10	4,95
2 x 6	75 / 0,30	1,00	2,00	13,10	16,80	3,30
2 x 10	74 / 0,40	1,20	3,10	17,70	22,60	1,91
2 x 16	116 / 0,40	1,20	3,30	20,20	25,70	1,21
3 x 1	29 / 0,20	0,80	1,40	8,30	10,70	19,50
3 x 1,5	27 / 0,25	0,80	1,60	9,20	11,90	13,30
3 x 2,5	45 / 0,25	0,90	1,80	10,90	14,00	7,98
3 x 4	50 / 0,30	1,00	1,90	12,70	16,20	4,95
3 x 6	75 / 0,30	1,00	2,10	14,10	18,00	3,30
3 x 10	74 / 0,40	1,20	3,30	19,10	24,20	1,91
3 x 16	116 / 0,40	1,20	3,50	21,80	27,60	1,21
4 x 1	29 / 0,20	0,80	1,50	9,20	11,90	19,50
4 x 1,5	27 / 0,25	0,80	1,70	10,20	13,10	13,30
4 x 2,5	45 / 0,25	0,90	1,90	12,10	15,50	7,98
4 x 4	50 / 0,30	1,00	2,00	14,00	17,90	4,95
4 x 6	75 / 0,30	1,00	2,30	15,70	20,00	3,30
4 x 10	74 / 0,40	1,20	3,40	20,90	26,50	1,91
4 x 16	116 / 0,40	1,20	3,60	23,80	30,10	1,21
5 x 1	29 / 0,20	0,80	1,60	10,20	13,10	19,50
5 x 1,5	27 / 0,25	0,80	1,80	11,20	14,40	13,30
5 x 2,5	45 / 0,25	0,90	2,00	13,30	17,00	7,98
5 x 4	50 / 0,30	1,00	2,20	15,60	19,90	4,95
5 x 6	75 / 0,30	1,00	2,50	17,50	22,20	3,30
5 x 10	74 / 0,40	1,20	3,60	22,90	29,10	1,91
5 x 16	116 / 0,40	1,20	3,90	26,40	33,30	1,21
6 x 1,5	27 / 0,25	0,80	2,50	13,40	17,20	13,30
7 x 1,5	27 / 0,25	0,80	2,60	14,70	18,70	13,30
12 x 1,5	27 / 0,25	0,80	2,90	17,60	22,40	13,30
18 x 1,5	27 / 0,25	0,80	3,20	20,70	26,30	13,30

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



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