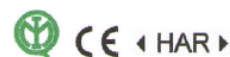


318*TQ H07BN4-F Technical Data Sheet



Rated Voltage	Max. Operating Temperature	Min. Temperature of Insulation	Max. Temperature of Short Circuit	Min. Internal Bending Radius	Max. Mechanical Stress
450/750V	90°C	-20°C	250°C	6xD	5 kg/mm ²

Conductors:	Class 5 flexible bare copper to EN 60228, IEC 60228
Insulation:	EPR (Ethylene-Propylene rubber) compound type EI7 or other equivalent material
Core colours:	Core identification in compliance with CENELEC HD 308 in force.
Sheath:	CSP (Elastomeric Chlorosulfonated Polyethylene compound) or other equivalent synthetic elastomeric type EM7
Standards:	CEI 20-19/12 (HD 22.12 - EN 50525-2-21), RoHS 2011/65/UE
Application:	Suitable for use in large boiler installations, heating plates, portable inspection lamps, electrical tools such as drills, circular saws, domestic electric tools, and also for transportable motors or generators. Suitable for use at max. conductor temperatures of 90°C. Skin contact should be avoided when operating at high temperatures.

Number and Nominal Cross-sectional Area Of Conductors (n x mm)	Mean Overall Diameter (mm)		Indicative Weight Of Cable (g/m)	Max Diameter Of Wires (ohm/km at 20°C)	Insulation Thickness (mm)		Sheath Thickness (mm)		Current Ratings With Ambient Temp Lower Than 30°C Free Movement (A)
	Max	Min			Max	Min			
2 x 1	8.0	±0.2	87	0.210	0.800	0.62	1.30	1.00	10
3 x 1	8.7	±0.2	107	0.210	0.800	0.62	1.40	1.09	10
4 x 1	9.7	±0.2	135	0.210	0.800	0.62	1.50	1.18	10

Number and Nominal Cross-sectional Area Of Conductors (n x mm)	Mean Overall Diameter (mm)		Indicative Weight Of Cable (g/m)	Max Diameter Of Wires (ohm/km at 20°C)	Insulation Thickness (mm)		Sheath Thickness (mm)		Current Ratings With Ambient Temp Lower Than 30°C Free Movement (A)
					Max	Min	Max	Min	
5 x 1	11.0	±0.2	173	0.210	0.800	0.62	1.60	1.26	10
1 x 1.5	6.0	±0.2	51	0.260	0.800	0.62	1.40	1.09	16
2 x 1.5	9.0	±0.2	112	0.260	0.800	0.62	1.50	1.18	18
3 x 1.5	9.7	±0.2	138	0.260	0.800	0.62	1.60	1.26	16
4 x 1.5	10.9	±0.2	176	0.260	0.800	0.62	1.70	1.35	16
5 x 1.5	12.0	±0.2	215	0.260	0.800	0.62	1.80	1.43	16
1 x 2.5	6.7	±0.2	68	0.260	0.900	0.71	1.40	1.09	25
2 x 2.5	10.4	±0.2	156	0.260	0.900	0.71	1.70	1.35	27
3 x 2.5	11.3	±0.2	195	0.260	0.900	0.71	1.80	1.43	25
4 x 2.5	12.7	±0.2	250	0.260	0.900	0.71	1.90	1.51	20
5 x 2.5	14.0	±0.2	307	0.260	0.900	0.71	2.00	1.60	20
1 x 4	7.5	±0.2	90	0.310	1.000	0.80	1.50	1.18	30
2 x 4	12.7	±0.2	221	0.310	1.000	0.80	1.80	1.43	34
3 x 4	13.0	±0.2	271	0.310	1.000	0.80	1.90	1.51	29
4 x 4	14.3	±0.2	337	0.310	1.000	0.80	2.00	1.60	30
5 x 4	16.0	±0.2	423	0.310	1.000	0.80	2.20	1.77	30
1 x 6	8.3	±0.2	118	0.310	1.000	0.80	1.60	1.26	38
2 x 6	13.6	±0.2	288	0.310	1.000	0.80	2.00	1.60	43
3 x 6	14.7	±0.2	363	0.310	1.000	0.80	2.10	1.68	36
4 x 6	16.5	±0.2	467	0.310	1.000	0.80	2.30	1.85	37
5 x 6	18.4	±0.2	582	0.310	1.000	0.80	2.50	2.03	38