

Rubber HO7 RN-F


















Single Core - Double Insulated (SDI) Flexible Cable



Application:

To supply power in demanding applications in the lighting industry, switchboards, generators, battery leads, welding flex, industrial applications and submersible pumps

Benefits	
Extremely Flexible	Flexible cable using class 5 conductors
Easy to Install	Flexible insulation & sheath for use in confined & difficult applications. Minimum bending radius 4 x diameter
Suitable for Outdoors	UV resistant sheath extends life in exposed environments
Submersible	Suitable for permanent deep water installations
Heavy Duty	Exceptional mechanical strength, impact and abrasion resistance
Chemical Resistance	Resistant to a range of chemicals & oils
Features	
✓	Fine stranded conductors for high reliability in flexing applications
✓	RoHS compliant to European environmental requirements
✓	Thermosetting rubber for excellent strength retention in high ambient temperature applications
✓	Metre marked
Construction	
Conductor	Plain annealed copper wire, class 5
Insulation	Thermosetting rubber (EPR type E14)
Sheath	Thermosetting rubber (CPE type EM2)
Colours	Black core, black sheath
Ratings	
Temperature	-25°C to + 90°C
Voltage	0.6/1kV
Applicable Standards	IEC 60332-1, HD 22.4, UNE 21027-4, EN 60228

 Flexible Conductor: Class 5	 Copper	 Minimum service Temperature: -25° C	 Maximum service Temperature: 90° C	 Maximum Short Circuit Temperature: 250° C (Max 5s)
 Impact Resistance: AG2. Medium Impact	 Abrasion Resistance: Excellent	 Grease & Mineral Oils Resistant	 Chemical & Oil Resistant	 Flame Non-Propagation
 UV Resistant	 Water Resistance: AD8 Submerged	 Low Temperature Resistant	 Anti-twist Resistance: Excellent	 Metre Marking
 Submersible Pumps	 Minimum Recommended Bend Radius Fixed 4 x OD			

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Single Core - Double Insulated (SDI) Flexible Cable

Bambach Item Code	No. of Cores x Conductor CSA mm ²	Conductor Stranding No. of Strands/mm	Nom Ø mm	Current Rating* Amps	Weight kg/km
51309A	6	84/0.30	8.3	59	116
51310A	10	80/0.40	10.1	83	182
51311A	16	128/0.40	11.4	110	25
51312A	25	200/0.40	13.4	147	361
51313A	35	280/0.40	14.7	183	469
51314A	50	400/0.40	17.5	231	671
51315A	70	356/0.50	19.6	292	892
51316A	95	485/0.50	22	351	114
51317A	120	614/0.50	24.2	418	142
51318A	150	765/0.50	26.6	483	176
51319A	185	944/0.50	28.8	555	209
51320A	240	1225/0.50	32.2	668	271
51321A	300	1551/0.50	34.9	772	331
51322A	400	1995/0.50	39.3	933	427

*Current ratings based on AS/NZS3008.1.1:2009 table 5 column 9. For 3 phase current ratings refer to table 8

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Multi-Core Flexible Cable



Application:

To supply power in demanding applications in the lighting industry, switchboards, generators, battery leads, welding flex, industrial applications and submersible pumps

Benefits	
Extremely Flexible	Flexible cable using class 5 conductors
Easy to Install	Flexible insulation & sheath for use in confined & difficult applications. Minimum bending radius 4 x diameter
Suitable for Outdoors	UV resistant sheath allows for installation outside
Submersible	Suitable for permanent deep water installations
Heavy Duty	Exceptional mechanical strength, impact and abrasion resistance
Chemical Resistance	Resistant to a range of chemicals & oils
Features	
✓	Fine stranded conductors for high reliability in flexing applications
✓	RoHS compliant to European environmental requirements
✓	Thermosetting rubber for excellent strength retention in high ambient temperature applications
✓	Metre marked
Construction	
Conductor	Plain annealed copper wire, class 5
Insulation	Thermosetting rubber (EPR type E14)
Sheath	Thermosetting rubber (CPE type EM2)
Colours	3 core - Brown, blue, green/yellow 4 Core – Brown, blue, black, green/yellow 5 Core – Black, blue, brown, grey, green/yellow >5 Core – Black with white printed numbers, green/yellow
Ratings	
Temperature	-25°C to + 90°C
Voltage	0.6/1kV
Applicable Standards	IEC 60332-1, HD 22.4, UNE 21027-4, EN 60228

 Flexible Conductor: Class 5	 Copper	 Minimum Service Temperature: -25°C	 Maximum Service Temperature: 90°C	 Maximum Short Circuit Temperature: 250°C (Max 5s)
 Impact Resistant	 Abrasion Resistance	 Grease & Mineral Oils Resistant	 Chemical & Oil Resistant	 Flame Non-Propagation
 UV Resistant	 Water Resistance: AD8 submerged	 Low Temperature Resistance: Excellent	 Anti-twist Resistance: Excellent	 Metre Marking
 Submersible Pumps	 Minimum Recommended Bend Radius Fixed 4 x OD			

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Multi-Core Flexible Cable

Bambach Item Code	No. of Cores x Conductor CSA mm ²	Conductor Stranding No. of Strands/mm	Nom Ø mm	Current Rating* Amps	Weight kg/km
51260A	2 x 1	32/0.21	8.3	18	92
51261A	2 x 1.5	30/0.26	8.7	23	109
51262A	2 x 2.5	50/0.26	10.6	30	162
51264A	3 x 1	32/0.21	8.9	15	111
51265A	3 x 1.5	30/0.26	9.7	19	137
51266A	3 x 2.5	50/0.26	11.4	26	198
51267A	3 x 4	56/0.31	13.1	34	276
51268A	3 x 6	84/0.31	14.8	43	370
51269A	3 x 10	80/0.41	20.1	61	668
51270A	3 x 16	128/0.41	22.6	81	906
51271A	3 x 25	200/0.41	27.4	108	1360
51276A	4 x 1	32/0.21	9.7	15	134
51277A	4 x 1.5	30/0.26	10.7	19	169
51278A	4 x 2.5	50/0.26	12.6	26	244
51279A	4 x 4	56/0.31	14.4	34	343
51280A	4 x 6	84/0.31	16.7	43	474
51281A	4 x 10	80/0.41	21.6	61	822
51282A	4 x 16	128/0.41	24.6	81	1120
52183A	4 x 25	200/0.41	30.7	108	1730
51284A	4 x 35	280/0.41	33.2	135	2180
51285A	4 x 50	400/0.41	39.2	170	3060
51292A	5 x 1.5	30/0.26	11.6	19	206
51293A	5 x 2.5	50/0.26	14.0	26	299
51294A	5 x 4	56/0.31	16.3	34	431
51295A	5 x 6	84/0.31	18.4	43	585
51296A	5 x 10	80/0.41	24.2	61	1010
51297A	5 x 16	128/0.41	27.1	81	1380
51298A	5 x 25	200/0.41	33.6	108	2110
51323A	5 x 35	280/0.41	36.6	135	2677
51299A	7 x 1.5	30/0.26	14.9	10	307
51300A	7 x 2.5	50/0.26	17.1	14	434
51301A	12 x 1.5	30/0.26	18.0	8	456
51302A	12 x 2.5	50/0.26	22.1	11	654
51308A	18 x 1.5	30/0.26	21.9	7	646

*Current ratings based on AS/NZS3008.1.1:2009 table 11 column 6, table 14 column 6 and table 22 row 2

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