

DESIGN

Conductor


Class 5 flexible copper

Insulation

Rubber (EPR)

Outer Sheath

Rubber (CR)



ATHILEX - H07RN-F 450/750V

APPLICATIONS

For use at medium mechanical stress in dry, wet and damp locations, as well as outdoors. Also for fixed installation on plaster or machines. The cable is oil-, UV- and ozone-resistant. Higher conductor temperatures may be permissible with protected installation.

CHARACTERISTICS

CPR	Eca
Flame-retardant	VDE 0482-332-1-2/IEC 60332-1-2
UV-Resistant	Yes
Oil-resistant	EN 60811-404
Ozone-resistant	Yes
Max. core temperature at conductor	60°C
Permitted cable temperature, fixed	-25°C up to +55°C
Permitted cable temperature, moved	-25°C up to +55°C
Nominal voltage Uo/U	450/750 V
Test voltage	2.5 kV
Standard	EN 50525-2-21

DIMENSIONS

Cross Section	Conductor Resistance	Ampacity in air (30°C)	Outer Diameter	Tenzile Strength	Weight
(mm²)	(Ohm/km)	(A)	(mm)	(N)	(Kg/Km)
3x1.5	13.3	19.5	9.4	68	155
3x2.5	7.98	26	11.1	113	235
3x4.0	4.95	35	12.9	180	310
3x6.0	3.3	44	14.3	270	400
3x10	1.91	62	19.3	450	810
3x16	1.21	82	22.1	720	1000
3x25	0.78	109	27	1125	1250
3x35	0.554	135	29.6	1575	1850
3x50	0.386	169	36	2250	3790
4x1.5	13.3	16	10.4	90	190
4x2.5	7.98	22	12.3	150	280
4x4.0	4.95	30	14.2	240	380
4x6.0	3.3	37	15.9	360	510
4x10	1.91	52	21.3	600	940
4x16	1.21	69	24.2	960	1250
4x25	0.78	92	29.3	1500	1850
4x35	0.554	114	33	2100	2310
4x50	0.386	143	38.2	3000	3160
4x70	0.272	178	43.2	4200	4250
4x95	0.206	210	49	5700	5590
4x120	0.161	246	53.6	7200	6790
4x150	0.129	282	58.7	9000	8230
4x185	0.106	319	65	11100	9700
4x240	0.0801	377	74	14400	13120
5x1.5	13.3	16.5	11.5	113	230
5x2.5	7.98	23	13.5	188	340
5x4.0	4.95	30	15.9	300	470
5x6.0	3.3	38	17.9	450	630
5x10	1.91	54	22.3	750	1150
5x16	1.21	71	26.9	1200	1540
5x25	0.78	94	32.5	1875	2200
5x35	0.554	117	38	2625	2700
5x50	0.386	148	44.5	3750	3950
5x70	0.272	185	47	5250	4893
5x.95	0.206	222	58	7125	6600

** The product and information presented in this document are for calculation only and subject to technical progress.

Outer diameters are approximately **