


無量光[®] HN-Amtb

Model No. : FP1C

Single core non-sheathed fire resistant cables with halogen-free crosslinked insulation and low emission of smoke and corrosive gases when affected by fire

Manufacturing Standard	BS8592 for 1.5 to 70mm ² Basically conforms to EN50525-3-41 for 95 upto 400mm ²
Fire Tests	- BS 6387 C, W & Z - IEC 60331-3 - EN 50200 (PH120) plus additional 30 min. survival time according to Annex E - BS 8434-2 (120 min) - IEC 60331-21
Flame Propagation and Emissions	- EN 60332-1-2 - EN 61034-2 - EN 60754-1
Construction	Stranded plain annealed copper conductor, mica/glass fire barrier tape with elastomeric LSOH insulation
Minimum Bending Radius	6 x outer diameter (D)
Voltage Rating (U ₀ /U)	450/750 V
Typical Applications	This cable is designed to be installed in metal conduits and suitable for use in fire alarm system , emergency lighting or power circuits.
Core Identification	Brown, Black, Grey, Blue, Green/Yellow, Red, Yellow, Orange, White or other colours available upon request
Approval	TÜV 
Max.Conductor Temperature	90°C



Nominal Section Area of Conductor (mm ²)	Conductor Class	Insulation Thickness (mm)	Mean Overall Diameter (D) (mm)	Max.Conductor Resistance at 20°C (Ω / km)	Min.Insulation Resistance at 90°C (MΩ . km)	Approx.. Cable Weight (kg/ km)
1.5	2	0.7	3.5	12.1	0.0100	21
2.5	2	0.8	4.1	7.41	0.0090	34
4	2	0.8	4.6	4.61	0.0077	49
6	2	0.8	5.1	3.08	0.0065	69
10	2	1.0	6.7	1.83	0.0065	111
16	2	1.0	7.6	1.15	0.0050	170
25	2	1.2	9.4	0.727	0.0050	260
35	2	1.2	11.0	0.524	0.0043	352
50	2	1.4	12.4	0.387	0.0043	477
70	2	1.4	14.8	0.268	0.0035	669
95	2	1.6	14.8-18.3	0.193	0.0035	923
120	2	1.6	16.3-20.1	0.153	0.0032	1152
150	2	1.8	18.0-22.3	0.124	0.0032	1420
185	2	2.0	20.0-24.8	0.0991	0.0032	1776
240	2	2.2	22.7-28.2	0.0754	0.0032	2319
300	2	2.4	25.2-31.3	0.0601	0.0030	2950
400	2	2.6	28.2-35.0	0.0470	0.0028	3903

- a) Technical information like current ratings and voltage drop information can be provided upon request.
- b) Conductor class bases on EN or IEC60228 .
- c) BS6387, EN50200 and BS8434 are applicable to cables with overall size \leq 20mm, otherwise IEC60331-21 will be applicable to cables with overall size > 20mm
- d) Standard package : 200m & 500m for 1.5 ~ 6mm² ; only 500m for 10mm² or above, but can be cut to desired length upon request