

# 無量光<sup>®</sup> HN-Amtb

Model No. :6387C4

600/1000V, 4-core, fire resistant armoured power cables with XLPE insulation and low emission of smoke and corrosive gases when affected by fire

Manufacturing Standard	Basically conform to IEC60502-1
Fire Tests	For D ≤ 20mm - BS 6387 C, W & Z - EN 50200 (PH120) plus additional 30 min. survival time according to Annex E - BS 8434 - 2 (120 min) For D > 20mm - BS 8491 (120 min)
Flame Propagation and Emissions	- IEC 60332-3-24 - IEC 61034-2 - IEC 60754-1
Construction	Four core, circular or compact or shaped stranded plain annealed copper conductors wrapped by mica/glass tape, with XLPE Insulation, galvanized steel wire armour (SWA) and LSOH oversheath
Min. Bending Radius	8 x overall diameter of cable (D)
Voltage Rating (U <sub>0</sub> /U)	600/1000 V
Application	These cables are intended to be used in installations where power supply circuits are required to continue operation for a certain period (2 or 3 hours) in the event of the outbreak of fire.
Identification of Cores	Blue, Brown, Black & Grey
Sheath Colour	Black or other colours upon request
Approval	TÜV Rheinland
Max. Conductor Temperature	90°C



1. Conductor 2. Mica/Glass Tape  
3. XLPE Insulation  
4. Filler 5. LSOH Inner Sheath  
6. Steel Wire Armour  
7. LSOH Outer Sheath

Nominal Section Area of Conductor (mm <sup>2</sup> )	Insulation Thickness (mm)	Approx Diameter Under Armour (mm)	Nominal Armour Diameter (mm)	Approx. Overall Diameter (D) (mm)	Max. Conductor Resistance at 20°C (Ω / km)	Approx. Cable Weight (kg/ km)
1.5	0.7	11.5	0.8	17.30	12.1	505
2.5	0.7	12.5	0.8	18.30	7.41	560
4	0.7	13.9	0.8	19.7	4.61	695
6	0.7	16.2	1.25	22.9	3.08	920
10	0.7	17.7	1.25	24.4	1.83	1175
16	0.7	20.1	1.6	27.5	1.15	1460
25	0.9	24.0	1.6	31.4	0.727	2650
35	0.9	25.2	1.6	32.8	0.524	2500
50	1.0	29.0	1.6	36.8	0.387	3261
70	1.1	32.8	2.0	41.8	0.268	4700
95	1.1	37.0	2.0	46.2	0.193	5900
120	1.2	40.7	2.5	51.3	0.153	7450
150	1.4	44.9	2.5	55.7	0.124	8900
185	1.6	49.5	2.5	60.7	0.0991	10600
240	1.7	55.6	2.5	67.2	0.0754	13200
300	1.8	60.9	2.5	72.9	0.0601	18330
400	2.0	68.2	3.15	82.1	0.0470	21800

a) Circular or compacted circular stranded conductor (Class 2) for 1.5mm<sup>2</sup> to 25mm<sup>2</sup> while shaped stranded conductor (Class 2) for 35mm<sup>2</sup> or above.

b) Technical information like current rating, voltage drop and cable dimension detail can be provided if necessary



AMTB Cables, Amulet to your Family