

無量光[®] HN-Amtb

Model No. : 6387C2

600/1000V, 2-core, fire resistant armoured power cables with XLPE insulation and low emission of smoke and corrosive gases when affected by fire

Manufacturing Standards	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 For D > 20mm - BS 8434 - 2 (120 min) - BS 8491 (120 min)
Flame Propagation and Emissions	- IEC 60332-3-24 - IEC 61034-2 - IEC 60754-1
Construction	Two 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 ₀ /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	Brown & Blue
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	Insulation Thickness	Approx Diameter Under Armour	Nominal Armour Diameter	Approx. Overall Diameter (D)	Max. Conductor Resistance at 20°C	Approx. Cable Weight
(mm ²)	(mm)	(mm)	(mm)	(mm)	(Ω / km)	(kg / km)
1.5	0.7	10.0	0.8	15.8	12.1	395
2.5	0.7	10.8	0.8	16.6	7.41	415
4	0.7	12.0	0.8	17.8	4.61	465
6	0.7	13.4	0.8	19.2	3.08	565
10	0.7	14.6	1.25	21.3	1.83	815
16	0.7	16.6	1.25	23.3	1.15	1005
25	0.9	19.8	1.6	27.2	0.727	1645
35	0.9	19.1	1.6	26.5	0.524	1595
50	1.0	21.7	1.6	29.1	0.387	1950
70	1.1	24.2	1.6	32.0	0.268	2400
95	1.1	27.3	2.0	36.1	0.193	3360
120	1.2	29.6	2.0	38.6	0.153	4050
150	1.4	32.8	2.0	42.0	0.124	4730
185	1.6	36.3	2.5	46.9	0.0991	6171
240	1.7	40.1	2.5	51.1	0.0754	7381
300	1.8	44.3	2.5	55.5	0.0601	8909
400	2.0	49.3	2.5	61.1	0.0470	11670

a) Circular or compacted circular stranded conductor (Class 2) for 1.5mm² to 25mm² while shaped stranded conductor (Class 2) for 35mm² 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