

無量光[®] HN-Amtb

Model No. : 7211LSOH

Single core non-sheathed cables with halogen-free crosslinked insulation, and low emission of smoke

Manufacturing Standard	EN 50525-3-41 Table B.1
Flame propagation	EN 60332-1-2
Smoke emission	EN 61034-2
Acid gas emission	pH & conductivity : EN50267-2-2 or EN 60754-2
Construction	Single core solid or stranded plain annealed copper conductor, LSOH insulated
Voltage Rating (U _o /U)	450/750 V
Typical Application	Suitable for use in conduit , trunking and fixed protected installation in or on light fittings and inside appliances, switchgear and controlgear under normal temperature
Core Identification	Brown, Black, Grey, Blue, Green/Yellow, Red, Yellow, Orange, White
Approval	TÜV Rheinland
Harmonized Code Designation	Solid Conductor (1) : H07Z- U ; Stranded Conductor (2) : H07Z- R
Max.Conductor Temperature	90°C



Nominal Section Area of Conductor (mm ²)	Conductor Class	Insulation Thickness (mm)	Mean Overall Diameter Limit (D) (mm)	Max.Conductor Resistance at 20°C (Ω / km)	Min.Insulation Resistance at 90°C (MΩ . km)	Approximate Cable Weight (kg/ km)
1.5	1	0.7	2.6-3.3	12.1	0.0110	20
1.5	2	0.7	2.7-3.4	12.1	0.0100	22
2.5	1	0.8	3.2-4.0	7.41	0.0100	30
2.5	2	0.8	3.3-4.1	7.41	0.0090	33
4	2	0.8	3.8-4.7	4.61	0.0077	48
6	2	0.8	4.3-5.4	3.08	0.0065	67
10	2	1.0	5.6-7.0	1.83	0.0065	103
16	2	1.0	6.4-8.0	1.15	0.0050	160
25	2	1.2	8.1-10.1	0.727	0.0050	249
35	2	1.2	9.0-11.3	0.524	0.0043	338
50	2	1.4	10.6-13.2	0.387	0.0043	455
70	2	1.4	12.1-15.1	0.268	0.0035	650
95	2	1.6	14.1-17.6	0.193	0.0035	885
120	2	1.6	15.6-19.4	0.153	0.0032	1118
150	2	1.8	17.3-21.6	0.124	0.0032	1383
185	2	2.0	19.3-24.1	0.0991	0.0032	1735
240	2	2.2	22.0-27.5	0.0754	0.0032	2260
300	2	2.4	24.5-30.6	0.0601	0.0030	2875
400	2	2.6	27.5-34.3	0.0470	0.0028	3818
500	2	2.8	30.5-38.2	0.0366	0.0028	4729
630	2	2.8	34.0-42.5	0.0283	0.0025	6017

- a) The current rating and voltage drop information are available upon request
- b) Conductor class bases on EN60228
- c) Minimum bending radius : 3D for 1.5~25mm², 4D for 35~185mm² & 6D for 240~630mm²
- d) Standard package : only 500m available for 1.5 ~ 6mm² ; 500m for 10mm² or above, but can be cut to desired length upon request