

APPLICATION

Single core, non-sheathed cables are suitable particularly for situations in which low emission of smoke and corrosive gases is required in the case of burning. H07Z-U, H07Z-R, H07Z-K - single core, non-sheathed cables are intended for installation in surface mounted or embedded conduits, or similar closed systems. Suitable for fixed protected installation in, or on, lighting and control gear for voltages up to 1000 V a.c. or, up to 750V d.c. to earth.



CHARACTERISTICS

Voltage Rating:

H05Z-U - 0.5mm² to 1mm² : 300/500V

H07Z-U - 1.5mm² to 6mm² : 450/750V

Temperature Limits: -25°C to +90°C

Minimum Bending Radius:

Up to 35mm² : 4 × overall diameter

50mm² and above : 6 × overall diameter

CONSTRUCTION

Conductor: class 1 solid oxygen-free copper

Insulation: Low Smoke and Zero Halogen (LSZH)

Insulation Colour: Red, Black, Blue, Yellow, White, Green/Yellow, Grey, Brown

TECHNICAL DATA

H05Z-U / H07Z-U Single Core Cable - Dimensions

Product Code	Nominal cross section Area [mm ²]	Nominal Stranding of conductor [mm]	Nominal thickness insulation [mm]	Nominal outer diameter [mm]	Cable weight [kg/km]	Conductor resistance at 20°C [Ohm/km]
LPH05ZU005	0.5	1/0.8	0.6	2.2	9	39
LPH05ZU0075	0.75	1/0.98	0.6	2.4	11.7	26
LPH05ZU010	1	1/1.13	0.6	2.5	13.8	19.5
LPH07ZU015	1.5	1/1.38	0.8	3	22	13.3
LPH07ZU025	2.5	7/1.78	0.8	3.7	33	7.98
LPH07ZU04	4	1/2.25	0.9	4.2	48	4.95
LPH07ZU06	6	7/1.05	0.9	4.8	68	3.3
LPH07ZU10	10	7/1.35	1	6.3	120	1.91
LPH07ZU16	16	7/1.7	1	6.9	175	1.21
LPH07ZU25	25	7/2.1	1.2	8.4	260	0.78
LPH07ZU35	35	19/1.5	1.2	9.5	350	0.554
LPH07ZU50	50	19/1.78	1.4	11.2	475	0.386
LPH07ZU70	70	37/1.5	1.4	12.8	670	0.272
LPH07ZU95	95	37/1.76	1.6	15.2	940	0.206

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