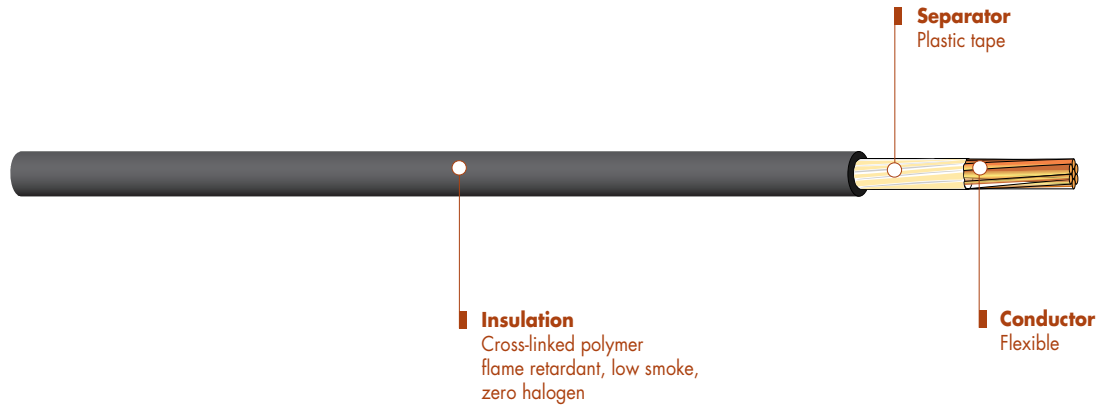


H05Z-K / H07Z-K

Flexible single insulated core

Halogen-free, with improved fire characteristics
CENELEC HD 22.9



Product information

Application

For permanent installation in dry, damp or wet areas, on or behind plasterwork or in walls or concrete. The cable should only be laid directly in earth or water if a protective conduit is used. Permitted operating temperature at conductor of +90°C.

Construction

Conductor	Bare copper, flexible to IEC 60228 Class 5, EN 60228 Class 5, (VDE 0295 Class 5)
Insulation	Cross-linked polymer according to CENELEC HD 22.1, HD 22.9
Core colours	Brown, black, grey, blue and green/yellow

Technical Properties

Rated Voltage	300/500V for cross sections $\leq 1.0\text{mm}^2$ 450/750V for cross sections $\geq 1.5\text{mm}^2$
Test voltage	0.6/1kV for fixed installation, for cross sections $\geq 1.5\text{mm}^2$
Operating Temperature	2500V, 50Hz -20°C to +90°

General Properties

Zero halogen	IEC 60754-2, EN 50267, VDE 0482-267
non corrosive gases	IEC 60332-1, (EN 50265-2-1) New: EN 60332-1, (VDE 0482-265-2-1), New: VDE 0482-332-1
Flame retardance	IEC 61034, (EN 50268), New: EN 61034, (VDE 0482-268), New: VDE 0482-1034
Minimum smoke emission	

Article No.	No. of cores x cross section	Cu content	Total weight	Outer diameter	Fire load
	n x mm ²	kg/km	app. kg/km	app. mm	app. kWh/m
	1 x 0,75	8	11	2,4	0,03
	1 x 1,0	10	14	2,5	0,03
	1 x 1,5	15	19	2,9	0,05
	1 x 2,5	24	32	3,0	0,06
	1 x 4	38	51	4,4	0,07
	1 x 6	58	73	5,2	0,09
	1 x 10	96	115	6,7	0,11
	1 x 16	154	177	8,0	0,14
	1 x 25	240	273	10,0	0,20
	1 x 35	336	360	11,2	0,24
	1 x 50	480	522	13,2	0,32
	1 x 70	672	736	15,3	0,38
	1 x 95	912	973	17,7	0,50

Please specify required core colour when ordering. Additional dimensions available on request.