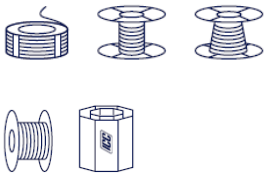
H05Z-K
H07Z-K

Flexible single core non-sheathed electric cables, with halogen-free crosslinked insulation and low emission of fumes and corrosives gases, for general applications in construction works subject to reaction to fire requirements.

1- Flexible copper class 5

2- LSOH Elastomeric compound type EI5

Standard	Approvals	Packaging
EN 50525-3-41 BS 7211 Type 2491B EN 60228 EN 60332-1-2 EN 61034-1 EN 61034-2 EN 60754-1 EN 60754-2 RoHS compliant Reach compliant **Fire Performances:** EU 305/2011 (CPR) EN 50575 + EN 50575/A1	◁HAR▷ CE 0051 H05Z-K cert. 0051-CPR-0558 H07Z-K cert. 0051-CPR-0559	

Fire Performances		
Reaction to fire	**Eca**	DoP Number: **DoP2017-010**
Dangerous Substance	**NPD**	

Marks

"Size" mm² H05Z-K IEMMEQU <HAR> Eca LSF CONDUIT WIRING BS7211
"Size" mm² H07Z-K IEMMEQU <HAR> Eca LSF CONDUIT WIRING BS7211

Characteristics

Applications: For indoor installation, fixed laying on bare walls or steel structures, in pipes or ducts, or in signal and control panels, switchgear etc. . In places with risk of fire, to guarantee people's safety, like schools, hospitals, hotels, shopping malls, cinemas, offices etc.

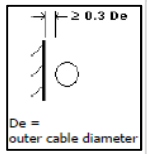
Insulation colour:	Various on request
Max operating temperature:	-15°C ÷ +90° C on the conductor
Surface operating temperature:	Fixed installation: -40°C ÷ +90°C
Minimum bending radius:	4 x outer diam.
Rated voltage Uo/U:	H05Z-K: 300/500 V H07Z-K: 450/750 V
Maximum voltage Um	1 kV
Voltage Test	*2 kV (H05Z-K)* *2,5 kV (H07Z-K)*
Max. temperature in case of short circuit:	250° C on the conductor (max duration 5 seconds)

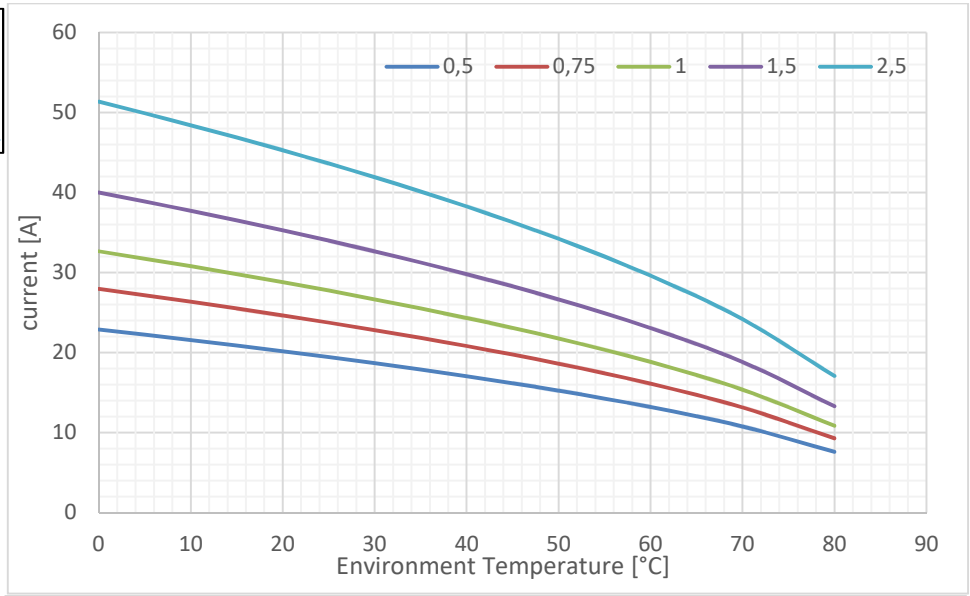
Nominal size	Max diameter of wires	Insulation thickness	Outer diameter	Max cond. Resist. At 20°C	Cable weight
	mm	mm	mm	ohms/km	kg/km
H05Z-K					
1x0.5	0,21	0,6	2,1 ±0.1	39,0	9
1x0.75	0,21	0,6	2,3 ±0.1	26,0	12
1x1	0,21	0,6	2,5 ±0.1	19,5	15
H07Z-K					
1x1,5	0,26	0,7	2,9 ±0.1	13,3	20
1x2,5	0,26	0,8	3,6 ±0.1	7,98	30
1x4	0,31	0,8	4,1 ±0.1	4,95	45
1x6	0,31	0,8	4,7 ±0.1	3,30	65
1x10	0,41	1,0	6,0 ±0.2	1,91	110
1x16	0,41	1,0	6,9 ±0.2	1,21	160
1x25	0,41	1,2	8,5 ±0.2	0,780	250
1x35	0,41	1,2	9,7 ±0.2	0,554	340
1x50	0,41	1,4	11,6 ±0.3	0,382	480
1x70	0,51	1,4	13,5 ±0.3	0,272	670
1x95	0,51	1,6	15,3 ±0.4	0,206	890
1x120	0,51	1,6	17,0 ±0.4	0,161	1140
1x150	0,51	1,8	18,9 ±0.4	0,129	1410
1x185	0,51	2,0	20,9 ±0.5	0,106	1710
1x240	0,51	2,2	23,8 ±0.5	0,0801	2270
(1X300)*	0,51	2,4	26,2 ±0.5	0,0601	2360

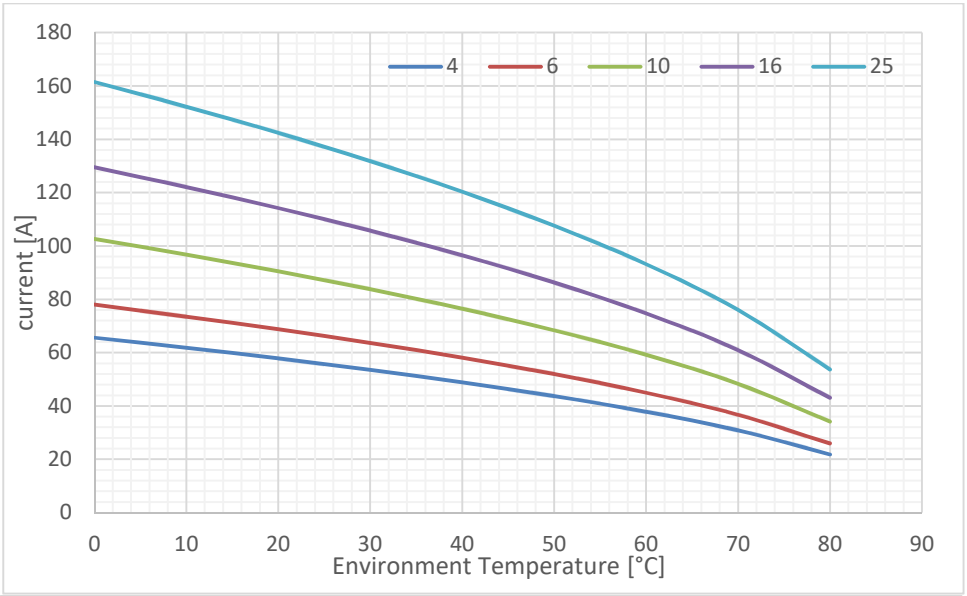
* (NOT HAR _ -07Z-K)

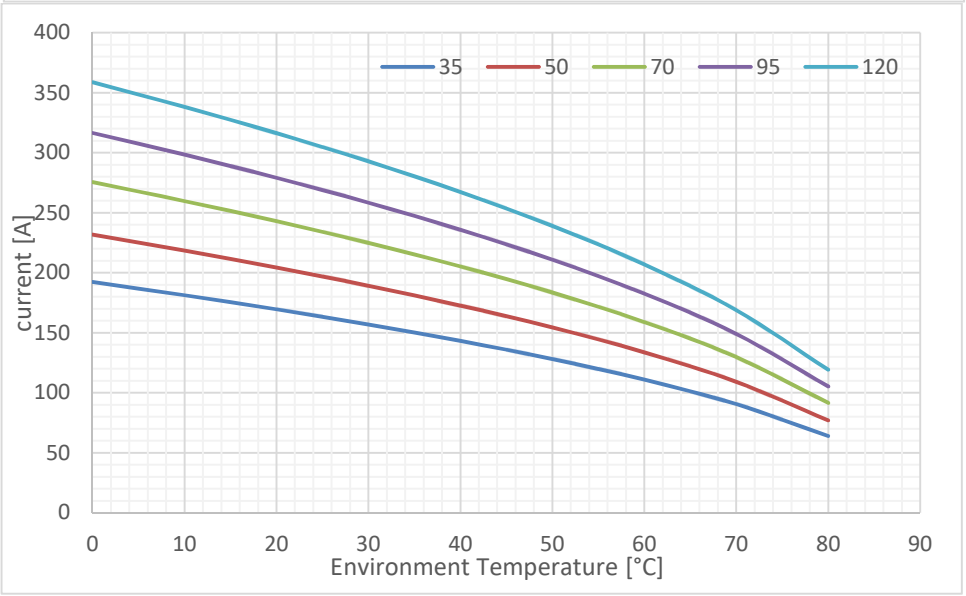
Current rating evaluation

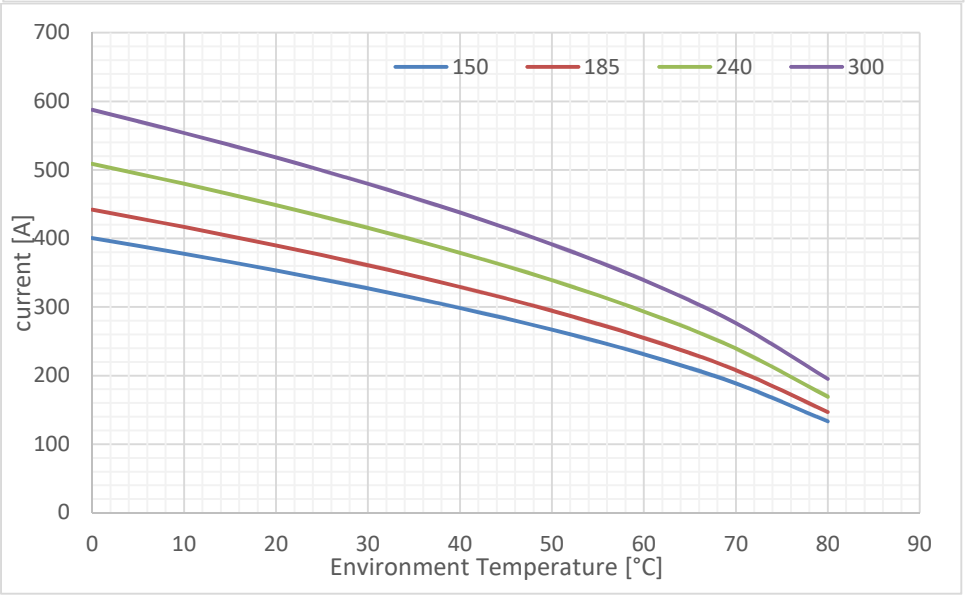
Current rating evaluation is based on a theoretical calculation according to the International Standard IEC 60287, in the following conditions: Max conductor operating temperature: 90°C ; stationar flow (100% load factor) ; Single cable in free air; Environment air temperature : 0 ÷ 80°C











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