

FLAME RETARDANT, LOW SMOKE, HALOGEN FREE SINGLE CORE CABLES

TYPE: H07Z-U, H07Z-R, H07Z-K, H05Z-U, H05Z-K

Description : Thermosetting Insulated, Non-Sheathed, Single Core Cables having low emission of smoke & corrosive gases when affected by fire

Construction

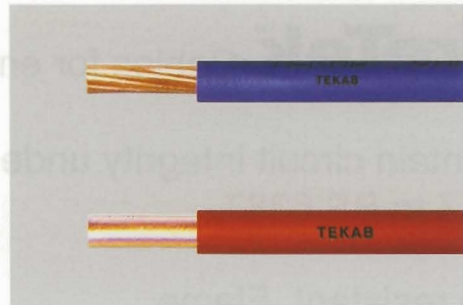
- Conductor : Copper conductor, Solid or Stranded, or Flexible to BS 6360
- Insulation : Thermosetting compound type EI5 to BS 7655-5.1

Rated Voltage : 300/500V for H05Z-U, H05Z-K
: 450/750V for H07Z-U, H07Z-R, H07Z-K

Operating Temperature: 90°C

Specification : BS 7211

- Characteristics:**
- Conductor Resistance: to BS 6360
 - Spark Test: to BS 5099
 - Voltage Test: 2500V for 450/750V cables
: 2000V for 300/500V cables
 - Insulation Resistance: to BS 7211
 - Test under fire conditions
 - Fire test on single cable: to BS 4066: 1 or 2, IEC 332-1
 - Smoke emission: to BS 7622 : 2



Technical Data - Min. light transmittance: 60%

Thermosetting Insulated, Non-Sheathed, Single Core Cables, 300/500V						
a) Rigid Copper Conductor			b) Flexible Copper Conductor			
Harmonized Code Designation H05Z-U			Harmonized Code Designation H05Z-K			
Nominal Cross-Sectional Area of Conductor	Mean Overall Diameter Upper Limit	Net Weight Approx.	Nominal Cross-Sectional Area of Conductor	Mean Overall Diameter Upper Limit	Net Weight Approx.	
mm ²	mm	Kg/Km	mm ²	mm	Kg/Km	
0.50	2.4	9	0.50	2.6	9	
0.75	2.6	12	0.75	2.8	11	
1.00	2.8	14	1.00	2.9	14	

Thermosetting Insulated, Non-Sheathed, Single Core Cables, 450/750V						
a) Rigid Copper Conductor			b) Flexible Copper Conductor			
Harmonized Code Designation H07Z-U, H07Z-R			Harmonized Code Designation H07Z-K			
Nominal Cross-Sectional Area of Conductor	Class of Conductor	Mean Overall Diameter Upper Limit	Net Weight Approx.	Nominal Cross-Sectional Area of Conductor	Mean Overall Diameter Upper Limit	Net Weight Approx.
mm ²		mm	Kg/Km	mm ²	mm	Kg/Km
1.5	1	3.3	21	1.5	3.5	21
1.5	2	3.4	22	2.5	4.3	33
2.5	1	4.0	33	4	4.9	50
2.5	2	4.1	34	6	5.5	70
4	1	4.6	48	10	7.1	115
4	2	4.7	51	16	8.4	185
6	1	5.2	68	25	10.6	300
6	2	5.4	73	35	12.1	400
10	1	6.6	113	50	14.4	560
10	2	7.0	120	70	16.6	735
16	2	8.0	181	95	18.8	970
25	2	10.1	284	120	20.9	1220
35	2	11.3	384	150	23.3	1450
50	2	13.2	513	185	25.8	1830
70	2	15.1	723	240	29.4	2420
95	2	17.6	1000			
120	2	19.4	1237			
150	2	21.6	1523			
185	2	24.1	1908			
240	2	27.5	2483			
300	2	30.6	3060			
400	2	34.3	3600			
500	2	38.2	4537			