

Ersvital Fire Safe Gold Cables



- Meeting the requirements of BS 7629-1:2015 Standard 60
- Used as a power and control cable
- In emergency lighting
- In fire detection
- In fire alarm system circuits
- In places where human life and valuable materials and equipment need to be protected

Typical application standards are:

BS 5839-1, BS 5839-9, BS 5266-1, BS 8519 (Cat-1)

Construction

Conductor	EN 60228 Class 1 (RE) & 2 (RM) Electrolytic Copper
Insulation	EN 50363-1 EI2 Cross-linked Ceramic Forming Polymer Compound
Colour Code	2-core : Brown, Blue or Brown, Brown 3-core : Brown, Black, Grey 4-core : Blue, Brown, Black, Grey
Stranding	Cores shall be laid up using the sequence of colours specified
Screen	Copolymer laminated aluminium tape with the metallic element in contact with the uninsulated circuit protective conductor which is the same section and class as the insulated conductors
Sheath	BS 7655-6.1 LTS3 type HFFR Compound
Sheath Colour	RAL 3000 Red Other applicable colors: RAL 2003 Orange, RAL 9005 Black, RAL 9010 White

Quality Certificate

FLAME RETARDANT TEST	FLAME PROPAGATION TEST	SMOKE DENSITY TEST	TEST ON CORROSIVENESS COMBUSTION GASES	HALOGEN FREE TEST	CIRCUIT INTEGRITY TEST (FE180)	CIRCUIT INTEGRITY WITH SHOCK TEST (PH120)	CIRCUIT INTEGRITY WITH SHOCK and WATER SPRAY TEST (PH30)	CIRCUIT INTEGRITY TEST (CWZ)
EN 60332-1-2	EN IEC 60332-3-22	EN 61034-2	EN 60754-2	EN 60754-1	IEC 60331-21	EN 50200	EN 50200 ANNEX-E	BS 6387

Technical Characteristics

CONDUCTOR RESISTANCE		OPERATING VOLTAGE	MIN.BENDING RADIUS	TEST VOLTAGE		TEMPERATURE RANGE
mm ²	Ω/km	300/500 V	6x Cable Ø	CORE/CORE CORE/SCREEN	2000 V	-30°C ~ +70°C (Temp. for stationary condition) -5°C ~ +50°C (Temp. for moving condition) **+90°C (Max.Permissible Operating Temperature at Conductor) **Permissible short-circuit temperature 250 °C
1	18,1				2000 V	
1,5	12,1				2000 V	
2,5	7,41				2000 V	
4	4,61				2000 V	

Cross Section mm ²	Overall Diameter (mm)	Approx. Weight (kg/km)	Product Code
2x1 (RE)	6,9	77	MDER029700200100R
2x1,5 (RE)	7,9	101	MDER029700200150R
3x1,5 (RE)	8,3	125	MDER029700300150R
4x1,5 (RE)	9,3	156	MDER029700400150R
2x2,5 (RE)	9,3	148	MDER029700200250R
3x2,5 (RE)	9,8	184	MDER029700300250R
4x2,5 (RE)	10,9	230	MDER029700400250R
2x4 (RE)	10,3	202	MDER029700200400R

3x4 (RE)	10,9	253	MDER029700300400R
4x4 (RE)	12,1	316	MDER029700400400R
2x4 (RM)	10,9	207	MDER030000200400R
3x4 (RM)	11,5	260	MDER030000300400R
4x4 (RM)	12,8	325	MDER030000400400R