

6U81SH

INDUSTRIAL CABLE

STANDARD: BS 7889

VOLTAGE RATING: 600/1000V

APPLICATION:

Industrial wiring. Can be clipped to surface, on trays or in free air where there is little risk of mechanical damage. Suitable for laying into trunking or conduit etc. when mechanical protection is required. May be embedded in concrete.

CONSTRUCTION:

Single core cable. Stranded plain copper conductor, XLPE insulated and PVC sheathed.

CORE COLOURS: Brown or Blue

SHEATH COLOURS: Black. Other colours available to order.

BASEC: Certified

MAXIMUM CONDUCTOR TEMPERATURE: 90°C.

Note: Where a conductor operates at a temperature exceeding 70°C it shall be ascertained that the equipment connected to the conductor is suitable for the conductor operating temperature (see regulation 512-1-2 of BS7671, the 17th Edition of IEE Wiring Regulations).

CURRENT RATING: Refer to Tables 4E1A & 4E1B in BS7671 or on pages 99-100.

Nominal area of conductor	Insulation thickness	Sheath thickness	Mean overall diameter	Approx nett weight (upper limit)	Minimum bending radius factor
mm ²	mm	mm	mm	kg/km	
#50	1.0	1.4	13.7	541	4D
#70	1.1	1.4	15.8	749	4D
#95	1.1	1.5	17.5	1000	4D
#120	1.2	1.5	19.3	1241	4D
#150	1.4	1.6	21.5	1523	4D
185	1.6	1.6	24.7	1942	4D
240	1.7	1.7	27.7	2514	6D
300	1.8	1.8	30.6	3125	6D
400	2.0	1.9	34.2	3967	6D
500	2.2	2.0	38.0	5063	6D
630	2.4	2.2	42.9	6491	6D
800	2.6	2.3	47.8	8233	6D
1000	2.8	2.4	53.0	10305	6D

Circular compacted conductors