

TOUGH RUBBER SHEATH FLEXIBLE CORDS



APPLICATION

Tough rubber and flexible cord cables are suitable for installing in damp environments where there is minimal risk of damage from machines. They are most commonly used in kitchen appliances such as washing machines or ovens. The flexible cord cable features flexible stranded copper or tinned annealed copper conductors and an ethylene propylene rubber insulation. The black sheath is manufactured from tough rubber. To Harmonised Code: H05RR-F.

CABLE STANDARDS

BS EN 50525-2-21 (formerly BS7919)

H05RR-F

CONSTRUCTION

Conductor: Class 5 flexible stranded copper conductor to BS EN 60228

Insulation: Ethylene Propylene Rubber (EPR)

Sheath: Tough Rubber (CPE Mixture)

CHARACTERISTICS

Voltage Rating: 300/500 Volts

Temperature Limits: Fixed: -25°C to +60°C

Minimum Bending Radius: As per cable manufacturer datasheet

CORE IDENTIFICATION

2 Core: Brown Blue
3 Core: Brown Blue G/Y
4 Core: Brown Black Grey
G/Y

Should not be installed at temperatures below 0°C

TOUGH RUBBER SHEATH FLEXIBLE CORDS - DIMENSIONS

CCC CODE	CONDUCTOR SIZE (MM ²)	STRANDING (MM)	NO. OF CORES	WEIGHT (KG/KM)	OVERALL DIAMETER (MM)	GLAND SIZE (MM)
3182/75	0.75	24/0.20	2	63	6.6	20/16
3183/75	0.75	24/0.20	3	78	7.2	20/16
3184/75	0.75	24/0.20	4	94	7.8	20/16
31821	1	30/0.20	2	77	7.1	20/16
31831	1	30/0.20	3	90	7.5	20/16
31841	1	30/0.20	4	110	8.2	20/16
31821/5	1.5	30/0.25	2	115	8.7	20S
31831/5	1.5	30/0.25	3	135	9.2	20S
31841/5	1.5	30/0.25	4	170	9.8	20S
31851/5	1.5	30/0.25	5	195	10.3	20S
31822/5	2.5	50/0.25	2	165	10.3	20S
31832/5	2.5	50/0.25	3	195	11	20S
31842/5	2.5	50/0.25	4	245	11.9	20
31852/5	2.5	50/0.25	5	290	12.3	20

TOUGH RUBBER SHEATH CORDS – ELECTRICAL CHARACTERISTICS

NOMINAL CROSS SECTIONAL AREA MM ²	REFERENCE METHOD A (IN CONDUIT IN WALL)	REFERENCE METHOD C (CLIPPED DIRECT)	VOLTAGE DROP MV/A/M
1	11	20	44
1.5	14.5	27	29
2.5	20	31	18
4	26	42	12
6	34	53	7.9

THE ABOVE IS IN ACCORDANCE WITH 18TH EDITION OF IET WIRING REGULATIONS.

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