

# CONTROL MULTI CORE, ARMoured CABLE

CU/XLPE/PVC/SWA/PVC

SPECIFICATION: BS 5467



## APPLICATION

Can be used indoors or outdoors in the cable duct, cable trays, conduits or underground location under mechanical stresses in the power and switching station, local distribution system, industrial plant and commercial building.

## CONSTRUCTION

Conductor	Stranded annealed plain Copper Class 2 to IEC 60228.
Insulation	Cross linked polyethylene (XLPE) to BS 7655-1.3.
Color Code*	Black cores with number printing on each core
Cabling	Cores are assembled in a concentric layer and laid up with non-hygroscopic filler, if necessary & assembly is wrapped with binder tape.
Bedding	Extruded PVC compatible with the operating temperature of the conductor in Black color.
Armor	A single layer of galvanized steel wire armor is applied over the inner sheath.
Outer Sheath**	Extruded Flame retardant PVC Type 9 to BS 7655-4.2. The color of the sheath shall be Black.
Marking on the sheath	Example – ELECTRIC CABLE CU/XLPE/SWA/PVC 600/1000V AUX BS 5467 NO. OF CORES X SIZE MESC YEAR LENGTH METER MARKING

## TECHNICAL DATA:

Operating Temperature	-15°C to 90°C
Voltage Rating	600/1000 Volts
Voltage Withstand (V/Minute)	3500 VRMS / 5 or 8400 VDC / 5

\*Other Insulation color available on request.

\*\*Other sheath color available on request.

The tolerance on the cable overall diameter shall be +/- 2.5mm up to 30mm, above 30 to 45 mm: +/- 3.0mm & above 45mm: +/- 3.5mm.



**TABLE: IEC 60332-1  
NON-COMPACTED CIRCULAR CONDUCTOR:**



SERIAL NO.	MESC MODEL NO.	NO OF CORES	SIZE (mm <sup>2</sup> )	NO. OF STRANDS	INSULATION THICKNESS (mm)	BEDDING THICKNESS (mm)	APPROX. DIA. OVER BEDDING (mm)	ARMOR WIRE DIA. (mm)	APPROX. DIA. OVER ARMOR (mm)	OUTER SHEATH THICKNESS (mm)		APPROX. OVERALL DIA. (mm)	APPROX. CABLE WEIGHT (kg/km)	MAX. PULLING TENSION USING A CABLE GRIP (Kg)
										Nom	Min			
1	7614-07C00150-W0BK8-NF	7C	1.5	7	0.6	0.8	10.6	0.9	12.4	1.4	0.92	15.2	453	42
2	7614-12C00150-W0BK8-NF	12C	1.5	7	0.6	0.8	13.9	1.25	16.4	1.5	1.00	19.5	760	59
3	7614-19C00150-W0BK8-NF	19C	1.5	7	0.6	0.8	16.3	1.25	18.8	1.6	1.08	22.1	982	72
4	7614-27C00150-W0BK8-NF	27C	1.5	7	0.6	1.0	20.1	1.6	23.3	1.7	1.16	26.7	1429	94
5	7614-37C00150-W0BK8-NF	37C	1.5	7	0.6	1.0	22.5	1.6	25.7	1.7	1.16	29.2	1736	103
6	7614-07C00250-W0BK8-NF	7C	2.5	7	0.7	0.8	12.5	0.9	14.3	1.4	0.92	17.7	621	50
7	7614-12C00250-W0BK8-NF	12C	2.5	7	0.7	0.8	16.6	1.25	19.1	1.6	1.08	22.9	1041	75
8	7614-19C00250-W0BK8-NF	19C	2.5	7	0.7	1.0	19.4	1.6	22.6	1.7	1.16	25.6	1430	95
9	7614-27C00250-W0BK8-NF	27C	2.5	7	0.7	1.0	23.3	1.6	26.5	1.8	1.24	29.7	1825	118
10	7614-37C00250-W0BK8-NF	37C	2.5	7	0.7	1.0	26.2	1.6	29.4	1.8	1.24	32.6	2235	129
11	7614-07C00400-W0BK8-NF	7C	4	7	0.7	0.8	14.2	1.25	16.7	1.5	1.00	20.3	880	62
12	7614-12C00400-W0BK8-NF	12C	4	7	0.7	1.0	19.3	1.6	22.5	1.6	1.08	26.3	1465	87
13	7614-19C00400-W0BK8-NF	19C	4	7	0.7	1.0	22.0	1.6	25.2	1.7	1.16	28.1	1800	105
14	7614-27C00400-W0BK8-NF	27C	4	7	0.7	1.0	26.5	1.6	29.7	1.9	1.32	33.1	2375	139
15	7614-37C00400-W0BK8-NF	37C	4	7	0.7	1.2	30.2	2.0	34.2	2.0	1.40	37.8	3220	167

Others numbers up to a maximum of 37 cores are available upon request.  
Control (Auxiliary) cable with 2-5 cores will be made in accordance with power cable dimensions.

