WATER BLOCKED CONCENTRIC CABLES

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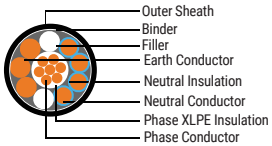
APPLICATION

Split concentric cables are predominantly used by Distribution Network Operators (DNO's) when providing the final service connection to domestic properties. Split concentric cables are also suitable for sub main distribution and have been found to be particularly useful within high rise buildings and street lighting systems. These cables are designed to be installed in air or for burial in free draining soil conditions

CONSTRUCTION

Phase Conductor: Circular, Plain hard copper to ASTM B-1
Phase Insulation: XLPE to IEC 60502-1
Neutral conductor: Solid, Plain annealed copper to ASTM B-3
Neutral Insulation: Polyethylene to IEC 60502-1
Earth conductor: Solid, Plain annealed copper to ASTM B-3
Filler: Polyethylene
Binder: Polyester Tape
Sheath: Polyethylene to IEC 60502-1



STANDARD

IEC 60502-1

VOLTAGE GRADE

600/1000 V

CABLE DESIGN PARAMETER

PHYSICAL DATA									TECHNCAL DATA
Nominal cross section area of conductor	No. of strands & diameter of wires	Nominal cross sectional area of neutral conductor	No. of strands & diameter of wires	Nominal cross sectional area of earth conductor	No. of strands & diameter of wires	Nominal thickness of insulation	Approx Overall diameter of cable	Approx weight of cable	Maximum D.C resistance of conductor at 20 ˚C
no. x mm^2	no./mm	mm^2	no./mm	mm^2	no./mm	mm	mm	kg/km	Ω/km
1x6 rm	7/1.04	6	7/1.05	4.5	3/1.4	1.0	11.2	225	3.08
1x16 rm	7/1.67	16	7/1.76	10.5	3/2.2	1.0	15.3	505	1.19