

These tough UV resistant cables are used to connect equipment in fixed installations under harsh conditions. The jelly filler acts as a water barrier and the steel wire armour provides mechanical protection. Suitable for use outdoors, in ducts or for direct burial applications.

Also available in many sizes are unarmoured versions (CW1128) or screened & armoured versions (CW1128/1179/1198).

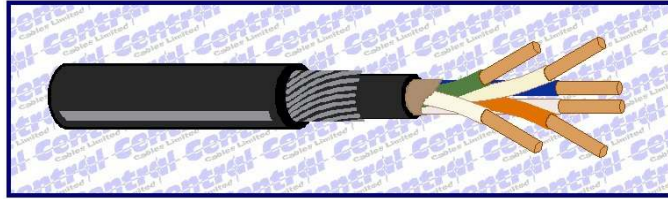
### Construction

- solid plain copper conductors
- polyethylene (PE) core insulation
- cores twisted into pairs or quad formation
- petroleum jelly filler (PJF) with paper wrap
- PE bedding & steel wire armour (SWA)
- black polyethylene (PE) outer sheath

### Technical

conductor stranding:	1x 0.5mm diameter (0.196mm <sup>2</sup> area)
	1x 0.9mm diameter (0.636mm <sup>2</sup> area)
bend radius:	10 x overall diameter fixed
capacitance:	275pF/km maximum
resistance @ 20°C:	0.5mm cores = 91 Ω/km max. per core
	0.9mm cores = 28 Ω/km max. per core
temperature range:	0°C to +40°C operating
standards:	construction generally to British Telecom CW1128/1198
core identification:	coloured according to CW1128

Number of Pairs	Conductor Diameter (mm)	Overall Diameter (mm)	Overall Weight (kg/km)
2 (quad formation)	0.9	12.8	320
5	0.9	13.9	496
10	0.9	17.4	738
20	0.9	23.6	1257
50	0.9	26.2	2310
100	0.9	40.6	3487
2 (quad formation)	0.5	10.1	187
3	0.5	11.0	218



Number of Pairs	Conductor Diameter (mm)	Overall Diameter (mm)	Overall Weight (kg/km)
5	0.5	12.2	285
10	0.5	14.5	378
20	0.5	16.2	621
30	0.5	20.4	896
50	0.5	26.4	1368
100	0.5	20.7	710

**PE Properties:** This compound is inflammable and UV resistant with good abrasion, tear resistant and electrical properties. Excellent resistance to water, inorganic salts, acids & alkalis and good resistance to organic solvents.

The high density PE (polyethylene) compounds are tougher but less flexible than lower density versions.

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