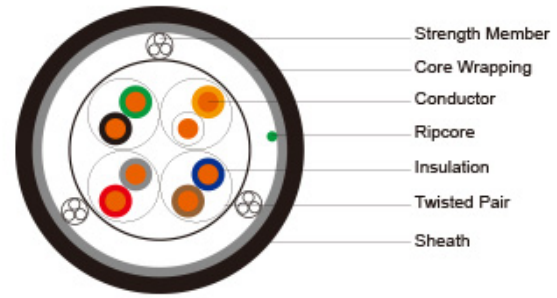


Drop Wires No. 12, 10B, CAD55M & 10 to CW 1406, CW 1411, CW 1417 & CW 1378



Application	The drop wires are designed for use in local area network to link between pole and building or two buildings. The high tensile steel strength member wires are incorporated inside the cable to provide support. The cables can be used for crossing high voltage cables up to 11kV.				
Standards	CW 1406 (Drop Wires No.12 1 pair) CW 1411 (Drop Wires No.10B 2 pairs) CW 1417 (Drop Wires CAD55M 4 pairs) CW 1378 (Drop Wires No.10 2 pairs)				
Construction					
Conductors:	Solid annealed bare copper of 0.5/0.9mm as per class 1 of BS 6360/IEC 60228				
Insulation:	Solid low or medium density Polyethylene (CW 1406, CW 1411 & CW 1417) or Polyvinyl Chloride (CW 1378) to BS 7878				
Core Wrapping:	23 micron Polyester Tape				
Strength Member:	1 Pair: 1 element of 3 x 0.41mm brass coated steel strength member; PVC insulated to 1.4mm 2 & 4 Pairs: 3 elements of 3 x 0.25mm brass coated steel strength member; PVC insulated to 1.0mm				
Sheath:	Black medium density polyethylene as per BS 7878				
Ripcord:	Nylon				
Electrical Properties					
Nominal Conductor Diameter	mm	0.9	0.5	0.5	0.5
BT Drop Wire Reference		No.12	No.10	No.10B	CAD55M
Standard		CW 1406	CW 1378	CW 1411	CW 1417
Number of Pairs		1	2	2	4
Maximum Conductor Resistance @20°C	Ω/km	28	95	95	95
Minimum Insulation Resistance @500V DC	MΩ.km	10000	100	10000	10000
Breaking Load	N	1350-1550	1350-1550	1350-1550	1350-1550

Maximum Mutual Capacitance @0.8KHz-3.0KHz	nF/km	-	100	56	56
Maximum Capacitance Unbalance pair-to-pair	pF/500m	-	500	275	300

Mechanical and Thermal Properties

Temperature range during operation (fixed state): -30°C – +70°C

Temperature range during installation (mobile state): -20°C – +50°C

Minimum bending radius: 7.5 x Overall Diameter

Color Code

CW 1406 Pair 1: Orange/White	
CW 1411 Pair 1: Orange/White	Pair 2: Green/Black
CW 1417 Pair 1: Orange/White	Pair 2: Red/Grey
Pair 3: Blue/Brown	Pair 4: Green/Black
CW 1378 Pair 1: Orange/White	Pair 2: Green/Black

Dimensions And Weight

Cable Code	Number of Pairs	Insulation Material	Nominal Insulation Thickness mm	Minimum Sheath Thickness mm	Min/Max Overall Diameter mm	Nominal Weight kg/km
0.5mm Conductor						
TP1411-2Y2Y-2P05-DW10B	2	PE	0.2	0.4	5.1/5.6	32
TP1417-2Y2Y-4P05-DW55M	4	PE	0.2	0.5	5.3/5.5	35
TP1378-Y2Y-2P05-DW10	2	PVC	0.2	0.4	5.3/5.5	33
0.9mm Conductor						
TP1406-2Y2Y-1P09-DW12	1	PE	0.3	0.5	5.0/5.5	32