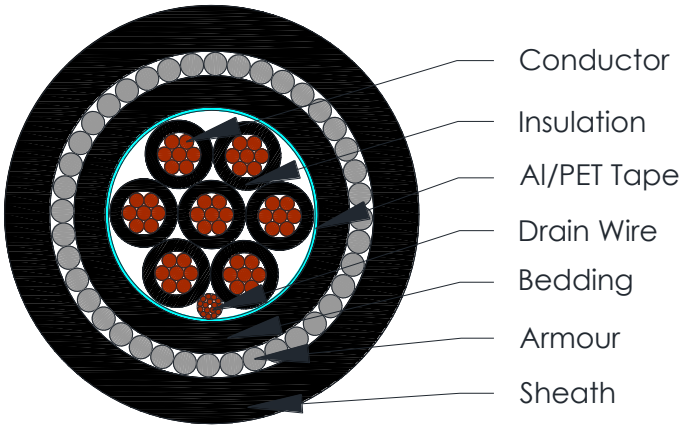
Control and Instrumentation Cables
PAS/BS5308 Part 2, Type 2
PVC Sheath

C3545, C3547 to C3564

Applications

Process control, equipment interconnection, typically in chemical and petrochemical locations. The unarmoured versions (Type 1) are generally use for indoor installation and suitable for wet and damp areas. The armoured versions (Type 2) are generally used for outdoor applications and can be used in direct burial applications.

Cross Section Drawing



Design

Unit	Properties
Conductor	Class5 plain copper wire
Insulation	PVC Color: Black with Numbers
Cabling	Cores cabled together
Screen	Aluminum/Polyester tape with Tinned copper drain wire
Bedding (where requested)	Flame Retardant PVC
Armour (where requested)	Galvanized Steel Wire Armour
Outer Sheath Material	Flame Retardant PVC Standard Colour: Black
Standard Put Up Length	305M or 500m

*Other Colors, Put Up Lengths and structures can be manufactured upon request, please contact your local B3 International sales representative.

Control and Instrumentation Cables
PAS/BS5308 Part 2, Type 2
PVC Sheath

C3545, C3547 to C3564

Electrical Characteristics at 20°C

Conductor Size(sqmm)	Conductor Construction	Max. DCR (Ohm/km)	Max. Mutual Capacitance (pF/m) at 1KHz	Max. Mutual Capacitance unbalance (pF/500m) at 1KHz	Test voltage between conductors and between conductors and screen (V r.m.s.)	Max. L/R ratio (µH/Ω)	Min Insulation Resistance of PE (M.Ohm/km)
1.50	7*0.53	12.3	75	500	1000	40	5000
2.50	7*0.67	7.6	105	500	1000	60	5000

Constructional Information

Part 2: Type2: Collectively Screened Armoured

P/N	Number of Cores	Conductor Construction (sq mm)	Nom. Radial Thickness of Insulation (mm)	Drain wire cross section (sq mm)	Diameter of Bedding (mm)	Diameter of Armour (mm)	Nom. Thickness of Jacket (mm)	Nom. Diameter of cable (mm)	Nom. Weight (kg/km)
C3547	2	1.50 (7*0.53)	0.60	0.50	7.50	9.30	1.40	12.10	245
C3548	3	1.50 (7*0.53)	0.60	0.50	7.70	9.50	1.40	12.30	301
C3549	4	1.50 (7*0.53)	0.60	0.50	8.60	10.40	1.40	13.20	352
C3545	5	1.50 (7*0.53)	0.60	0.50	9.20	11.00	1.40	13.80	405
C3550	6	1.50 (7*0.53)	0.60	0.50	9.90	11.70	1.40	14.50	458
C3551	7	1.50 (7*0.53)	0.60	0.50	10.50	12.30	1.40	15.10	509
C3552	8	1.50 (7*0.53)	0.60	0.50	11.00	12.80	1.40	15.60	558
C3553	10	1.50 (7*0.53)	0.60	0.50	13.00	14.80	1.40	17.60	609
C3554	12	1.50 (7*0.53)	0.60	0.50	13.60	16.10	1.50	19.10	661
C3555	14	1.50 (7*0.53)	0.60	0.50	14.60	17.10	1.50	20.10	882
C3556	15	1.50 (7*0.53)	0.60	0.50	15.60	18.10	1.60	21.30	950
C3557	16	1.50 (7*0.53)	0.60	0.50	15.70	18.20	1.60	21.40	1018
C3558	20	1.50 (7*0.53)	0.60	0.50	17.10	19.60	1.70	23.00	1262
C3559	24	1.50 (7*0.53)	0.60	0.50	19.20	21.70	1.70	25.50	1396
C3560	30	1.50 (7*0.53)	0.60	0.50	20.80	24.00	1.80	27.60	1867
C3561	40	1.50 (7*0.53)	0.60	0.50	23.70	26.90	1.80	30.50	2357
C3562	2	2.50(7*0.67)	0.60	0.50	8.30	10.10	1.40	12.90	307
C3563	3	2.50(7*0.67	0.60	0.50	8.80	10.60	1.40	13.40	377
C3564	4	2.50(7*0.67	0.60	0.50	9.60	11.40	1.40	14.20	502

Reference Standards

BS5308 Part 1	EN 50290-2
BS EN 60228	RoHS directives
BS 7655	IEC60332-3-24