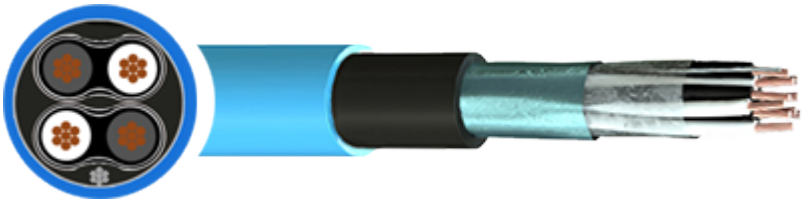
BS EN50288-7 Comms & Control Cable PVC ICAT



BS EN 50288-7:2005 Multi-element metallic cables which are used in analogue and digital communication and control systems. The cables have a mechanically robust construction and electrical transmission handling properties. These cables are designed to connect electrical instrument circuits and provide communication services in and around process plants and are not to be used for power supply. BS EN 50288-7 replaces the BS5308 Standard. BS 5308 has been subsequently changed to PAS5308. Cleveland Cable still support the older standards

Should not be installed at temperatures below 0°C

For more information please consult a member of the Cleveland Cable Sales Team

Key Features

UV/Ozone Resistance
Yes

Water Resistance
Yes

Flame Retardancy
BS EN 60332-1-2

Construction

- **Conductor**: 0.5mm^2 - 0.75mm^2 Class 5 flexible copper conductor1mm^2 & above Class 2 stranded copper conductor
- **Insulation**: Cross Linked Polyethylene (XLPE) laid up in pairs

  Individual and Collective Screens

- **Bedding**: Individual and collective aluminium / mylar tape screen with tinned copper drain wire
- **Sheath**: Polyvinyl Chloride (PVC)

Standards

- BS EN 50288-7, BS EN 50288-1, BS EN/IEC 60332-3-24, HD383, Flame Retardant to BS EN/IEC 60332-1-2

Core Colours

Core IDs

Pairs

White Black (Numbered)

Triple

White Black Red

Sheath

Blue or Black

BS EN50288-7 Comms & Control Cable PVC ICAT - Dimensions

Reference	Conductor Size (mm2)	Overall Diameter(mm)	Weight(Kg/Km)
RE2X9156	0.5	20.1	1153
RE2X9155	0.5	17.1	753
RE2X9154	0.5	15.1	531
RE2X9153	0.5	13.1	408
RE2X9152	0.5	9.4	253
RE2X9175	0.5	7.8	111
RE2X9151	0.5	7.3	161
RE2X9162	0.75	23.2	1445
RE2X9161	0.75	19.7	920
RE2X9160	0.75	17.4	728
RE2X9159	0.75	15	489
RE2X9158	0.75	10.7	299
RE2X9176	0.75	8.8	146
RE2X9157	0.75	8.3	184
RE2X9168	1	22.6	1624
RE2X9167	1	19.1	1162
RE2X9166	1	17	562
RE2X9165	1	14.7	425
RE2X9164	1	10.4	262
RE2X9177	1	8.73	132
RE2X9163	1	8.1	195
RE2X9174	1.5	30.3	1860
RE2X9173	1.5	25.6	1337
RE2X9172	1.5	23.6	957
RE2X9171	1.5	19.5	714
RE2X9170	1.5	13.7	408
RE2X9178	1.5	11.2	195
RE2X9169	1.5	10.5	242

BS EN 50288-7 COMMS & CONTROL CABLE– ELECTRICAL CHARACTERISTICS

CONDUCTOR SIZE	CONDUCTOR CLASS	MUTUAL CAPACITANCE pF/m			MAXIMUM RESISTANCE OF CONDUCTOR AT 20°C	MAXIMUM L/R RATIO
		Cables with Collective Screen Only	1 Pair, 2 Pairs, 1 Triple Collectively Screened	Cables with Individually Screened Pairs		
(MM2)					Ω/Km	µH/ohms
0.5	5	75	115	115	39	25
0.75	5	75	115	115	26	25
1	2	75	115	115	18.1	25
2	2	85	120	120	12.1	40
3	**2**	**85**	120	120	7. 41	65

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