

Data Cables-Overall Screened, Multi Pair



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Data Cables-Overall Screened, Multi Pair (7/0.20 & 7/0.25)

Application:	Internal and external inter-connections of electronic apparatus such as computer, intercoms, telemetering, signaling and alarm systems.
Conductor:	Plain annealed copper wire.
Insulation:	PVC V90HT or V75
Screen:	Aluminum tape screen, polyester mylar tape lapping and 7/0.20mm tinned copper drain wire.
Sheath:	PVC 5V-90 or 4V-75
Voltage:	These cables are run with a 240V radial thickness sheath and must not be connected to mains power supplies.
Standards:	AS1125 (conductor) AS/NZS 3808(PVC)
Austel Approval:	A95/CA/0217; EAS7201P to EAS7212P, EAS7212P+1

Typical Features:

Code	Stranding No/mm No of Pairs	Nom. O/D mm	Nom.Area mm ²	Sheath Thick mm	Pack Length m
EAS7201P	7/0.20 1P	4.2	0.22	0.8	100, 250, 500, bulk
EAS7201PHV#	7/0.20 1P	4.6	0.22	1	100, 250, 500, bulk
EAS7202P	7/0.20 2P	5.7	0.22	0.8	100, 250, 500, bulk
EAS7203P	7/0.20 3P	5.9	0.22	0.8	100, 250, 500, bulk
EAS7204P	7/0.20 4P	6.4	0.22	0.8	100, 250, 500, bulk
EAS7206P	7/0.20 6P	7.5	0.22	0.9	100, 250, 500, bulk
EAS7208P	7/0.20 8P	8.6	0.22	1	100, 250, 500, bulk
EAS7210P	7/0.20 10P	9.7	0.22	1	100, 250, 500, bulk
EAS7212P	7/0.20 12P	10.3	0.22	1	100,250,500,bulk

These cables have a 0.6/1kV insulation radial.

Code	Stranding No/mm No of Pairs	Nom. O/D mm	Nom.Area mm ²	Sheath Thick mm	Pack Length m
EAS725T1PPE#	7/0.25 1P	4.6	0.34	0.8	100, 500, bulk
EAS72503	7/0.25 3	5	0.34	0.8	100, 500, bulk
EAS72502P	7/0.25 2P	5.7	0.34	0.8	100, 500, bulk
EAS72503P	7/0.25 3P	6.8	0.34	0.8	100, 500, bulk
EAS72504P	7/0.25 4P	7.9	0.34	0.9	100, 500, bulk
EAS72506P	7/0.25 6P	8.9	0.34	1	100, 500, bulk
EAS72512P	7/0.25 12P	12	0.34	1.2	100, 500, bulk

This one has black+white cores, and all others in the table have colored pairs. Note: Other types or other lengths of the above cables can be manufactured according to customers specifications, subject to production minimum runs.

Colour Code

Pair No.	Pair Colours		Pair No.	Pair Colours		Pair No.	Pair Colours	
	Wire1	Wire 2		Wire 1	Wire 2		Wire 1	Wire 2
1	white	blue	10	red	grey	19	yellow	brown
2	white	orange	11	black	blue	20	yellow	grey
3	white	green	12	black	orange	21	violet	blue
4	white	brown	13	black	green	22	violet	orange
5	white	grey	14	black	brown	23	violet	green
6	red	blue	15	black	grey	24	violet	brown
7	red	orange	16	yellow	blue	25	violet	grey
8	red	green	17	yellow	orange			
9	red	brown	18	yellow	green			

Performance Characteristics

	7/0.20	7/0.25
Conductor Resistance(©/100m at 20°):	8.6	5.2
Max Working Voltage(V. RMS):	300	300

Crosstalk between pairs		
at 1 kHz	78	96
at 100 kHz	53	75
Capacitance (between each core and all other bunched together, pF/m):	90	120
Capacitance(between cores of a pair, pF/m):	53	78
Characteristic Impedance(at 100 kHz, ohms):	89	78
Attenuation of a pair		
at 1 kHz (dB/100m):	0.26	0.46
at 10 kHz (dB/100m):	0.27	0.66
at 100 kHz (dB/100m):	0.34	1.23
at 150 kHz (dB/100m):	0.39	1.63
at 1MHz (dB/100m):	1.26	1.89

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