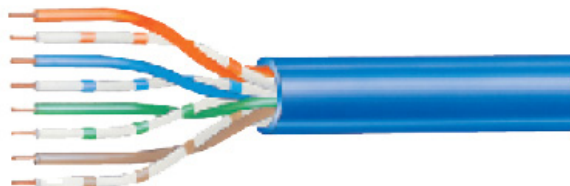




## Local Area Network (LAN) Cable CAT5E



### Wire & Cable Specification

<b>Description</b>	Category 5E (enhanced), 4 pair, 1/0.5mm bare copper conductor, polyolefin insulated, unshielded twisted pairs, PVC sheathed.
<b>Construction</b>	
Conductor	Category 5E (enhanced), 1/0.5mm bare copper (0.22mm <sup>2</sup> )
Insulation	Polyolefin insulation
Sheath	PVC

### Application

Designed for use in high speed data/comms networks. Manufactured for compatibility with the RJ type connector.

Olex data and communication cables meet the highest standards. Such cables meet or exceed the standards set by ACA (previously Austel). Appropriate products have also been further tested to the requirements of the ACA to ensure that you receive the finest quality.

Approvals: ACA Merchant No: N10594, ETL Approved.

### Item Codes

Codes available on next page.

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30 March 2006



DATA/COMMS

# Item Codes

Code	No. Pairs	Sheath Colour	Nom Area mm <sup>2</sup>	Nom Dia mm	Stranding	Pack Sizes 300m Box	Max Cond. Resist. @ 20°C ohm/km	Approx Mass kg/m
<b>Category 5E (Solid)</b>								
1034	4	BU	0.22	5.3	1/0.50	✓	93.8	0.032
5770	4	GN	0.22	5.3	1/0.50	✓	93.8	0.032
8460	4	GY	0.22	5.3	1/0.50	✓	93.8	0.032
4030	4	RD	0.22	5.3	1/0.50	✓	93.8	0.032
2004	4	YE	0.22	5.3	1/0.50	✓	93.8	0.032
<b>Category 5E (Underground)</b>								
2697	4	BK	0.22	5.7	1/0.50	✓	93.8	0.032
<b>Category 5E Low Smoke Zero Halogen (LSZH)</b>								
9916	4	BU	0.22	5.3	1/0.50	✓	93.8	0.032 *

\* Not regularly stocked.

## Technical Information

Frequency MHz	Attenuation (max) dB/100m	PS-Next (min) dB	PS-Elfext (min) dB	PS ACR (min) dB	Return Loss (min) dB
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Category 5E (Solid)					
0.8	1.8	64	63	62	19
1	2	62	61	60	20
4	4.1	53	49	49	23
8	5.8	48	43	43	25
10	6.2	47	41	41	25
16	8.2	44	37	36	25
20	9.3	43	35	34	25
25	10	41	33	31	24
31.25	12	40	31	28	24
62.5	17	35	25	18	22
100	22	32	21	10	20

Category 5E (Underground)					
1	2	62	61	60	17
4	4.1	53	49	49	19
8	5.8	49	43	43	20
10	6.3	47	41	41	20
16	8.2	44	31	36	20
20	9.3	43	35	34	20
25	10	41	33	30	19
31.25	12	40	31	28	19
62.5	17	35	25	18	17
100	22	32	21	10	15

Frequency MHz	Attenuation (max) dB/100m	PS-Next (min) dB	PS-Elfext (min) dB	PS ACR (min) dB	Return Loss (min) dB
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Category 5E (Low Smoke Zero Halogen (LSZH))					
1	2	62	64	60	21
4	4.1	53	52	49	23
8	5.8	49	46	43	25
10	6.3	47	44	41	25
16	8.2	44	40	36	25
20	9.3	43	38	34	25
25	10	41	36	30	24
31.25	12	40	34	28	24
62.5	17	35	28	18	22
100	22	32	24	10	20

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