

CABLE LOOK-UP CHARTS

Cables catalogued to NR/PS/SIG/00005 (was RT/E/PS/00005)

2

2 Cables & Accessories

TYPE	CORES	COLOUR	0.75 sqmm	1.15 sqmm	2.5 sqmm
A1	1	Blue	0006/120001		
A1	1	Brown	0006/120002		
A1	1	Red	0006/120003		
A1	1	Orange	0006/120004		
A1	1	Grey	0006/120005		
A1	1	Violet	0006/120006		
A1	1	Black	0006/120007		
A1	1	Black		0006/120008	
A2	1	Black	0006/120020		
A2	1	Blue	0006/120021		
A2	1	Green	0006/120022		
A2	1	Yellow	0006/120023		
A2	1	Black		0006/120024	
A2	1	Blue		0006/120025	
A2	1	Green		0006/120026	
A2	1	Yellow		0006/120027	
A3	2		0006/120040		
A3	4		0006/120041		
A3	6		0006/120042		
A3	10		0006/120043		
A3	14		0006/120044		
A3	36		0006/120045		
A3	48		0006/120046		
A4	2C		0006/120050		0006/120051

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TYPE	CORES	0.75 sqmm	1.5 sqmm	2.5 sqmm	10 sqmm	16 sqmm	35 sqmm	70 sqmm	95 sqmm
B1	1	0006/120059	0006/120060	0006/120061	0006/120062		0006/120063		
B2	2		0006/120081	0006/120082	0006/120083	0006/120113	0006/120084	0006/120085	0006/120086
B2	4	0006/120087	0006/120088	0006/120089					
B2	7	0006/120090	0006/120091	0006/120092					
B2	10	0006/120093	0006/120094	0006/120095					
B2	12	0006/120096	0006/120097	0006/120098					
B2	19	0006/120099	0006/120100	0006/120101					
B2	27	0006/120102	0006/120103	0006/120104					
B2	37	0006/120105	0006/120106	0006/120107					
B2	48	0006/120108	0006/120109	0006/120110					
B2	6x2	0006/120111	0006/120112	0006/120114					
C1	1			0006/120130					
C2	2			0006/120140					
C2	4			0006/120141					
C2	7			0006/120142					
C2	10			0006/120143					
C2	12			0006/120144					
C2	16			0006/120145					
C3(TPWS)	2C+Earth			0006/160086					

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TYPE	CORES	0.75 sqmm	1.5 sqmm	2.5 sqmm	10 sqmm	16 sqmm	35 sqmm	70 sqmm	95 sqmm
D1	1	0006/120211	0006/120212	0006/120213	0006/120214		0006/120215		
D2	2		0006/120216	0006/120217	0006/120218	0006/120226	0006/120219	0006/120220	0006/120221
D2	4	0006/120222	0006/120223	0006/120224	0006/120225				
D2	7	0006/120227	0006/120228	0006/120229					
D2	10	0006/120230	0006/120231	0006/120232					
D2	12	0006/120233	0006/120234	0006/120235					
D2	19	0006/120236	0006/120237	0006/120210					
D2	27	0006/120238	0006/120239	0006/120240					
D2	37	0006/120241	0006/120242	0006/120243					
D2	48	0006/120244	0006/120245	0006/120246					
D2	6x2	0006/120247	0006/120248	0006/120249					
E1	1			0006/120172					
E2	2			0006/120170					
E2	4			0006/120171					
E2	7			0006/120173					
E2	10			0006/120174					
E2	12			0006/120175					
E2	16			0006/120176					
E3(TPWS)	2C+Earth			0006/160090					

Fibre Optic cable to Spec NR/PS/TEL/00014

Only 6 numbers are to be used and only Purchased from Samsung (Network Rail contract, UK agent GO TEL Comms) 00006/169063, 00006/169053, 00006/169073, 00006/169013, 00006/169023 AND 0006/169043 those 6 are 24F per tube and 48F per tube, if the end user requires 16F then he uses 1x24F cable, if he requires 30F then he uses 2x24F or 1x48F cable, etc etc.

P/S = Polyethylene Sheathed ZHLS/S = Zero Halogen Low Smoke Sheathed ARM = Armoured DUCT = Cable in buried ducts

Red cat numbers are NOT approved by Network Rail

Fibre's per Tube	P/S	P/S DUCT	P/S ARM	ZHLS/S	ZHLS/S ARM
4		0006/169050	0006/169060		0006/169070
8		0006/169051	0006/169061		0006/169071
12	0006/169001	0006/169011*	0006/169021*	0006/169031	0006/169041*
16		0006/169052	0006/169062		0006/167072
20	0006/169002	0006/169012*	0006/169022*	0006/169032	0006/169042*
24		0006/169053	0006/169063		0006/169073
48	0006/169003	0006/169013	0006/169023	0006/1690330	0006/169043
96	0006/169004	0006/169014*	0006/169024*	006/169034	0006/169044*

ISSUE 2 OF THE SPEC MAKES NO REF TO P/S AND ZHLS/S SO THESE NUMBERS ARE NOT TO BE USED EVEN THOUGH THEIR ALLOCATED

Firm PINACL (PA05/130) can only supply to Horsham area

Firm CORNING (PA05/1327) can only supply to Bristol-Bathampton area

* Restricted to Bristol and Horsham areas

UNIT TWIN COPPER TELECOMMS CABLE for SPEC NR/PS/TEL/00015

P/S = Polyethylene Sheathed ZHLS/S = Zero Halogen Low Smoke Sheathed ARM = Armoured

Red cat numbers are NOT approved by Network Rail

Conductor	Pair	P/S	P/S ARM	ZHLS/S	ZHLS/S ARM
0.63mm	2	0006/168001	0006/168011	0006/168021	0006/168031
	5	0006/168002	0006/168012	0006/168022	0006/168032
	10	0006/168003	0006/168013	0006/168023	0006/168033
	20	0006/168004	0006/168014	0006/168024	0006/168034
	30	0006/168005	0006/168015	0006/168025	0006/168035
	50	0006/168006	0006/168016	0006/168026	0006/168036
	75	0006/168007	0006/168017	0006/168027	0006/168037
	100	0006/168008	0006/168018	0006/168028	0006/168038

Conductor	Pair	P/S	P/S ARM	ZHLS/S	ZHLS/S ARM
0.90mm	2	0006/168051	0006/168061	0006/168071	0006/168081
	5	0006/168052	0006/168062	0006/168072	0006/168082
	10	0006/168053	0006/168063	0006/168073	0006/168083
	20	0006/168054	0006/168064	0006/168074	0006/168084
	30	0006/168055	0006/168065	0006/168075	0006/168085
	50	0006/168056	0006/168066	0006/168076	0006/168086
	75	0006/168057	0006/168067	0006/168077	0006/168087
	100	0006/168058	0006/168068	0006/168078	0006/168088

Firm BELDEN (PA05/1408)(PA05/1407) to supply only Eastern Region re-sig projects, concentrators, **this is no longer applicable (201204) ONLY POLYETHYLENE SHEATH, ARMoured AND ARMoured ZHLS TELECOMS CABLE FROM TURK PIRELLI (PA05/1655) TO BE USED (ISSUE 2 OF PA05/1655 NOW INCLUDES POLYETHYLENE SHEATH CABLE)**

AXLE COUNTER SIGNALLING CABLE FOR RT/E/PS/00031

Only 2 types of cable have been approved, SS/D and BTA to certificate PA05/2020 and these are now made live in PADS. The rest of the numbers though allocated are not live and therefore NOT approved. Compiled against appendix 2 (page 64/65) of the specification.

SS/D = Single Sheath/Duct RPS = Ruggedized Polyethylene Sheath BST = Bonded Steel Tape / Steel Polymer Laminate

BTA = Brass Tape Armour

EMI-RF1 = EMI Shielding giving reduction factor according to diagram RF1 (in RT/E/PS/00031)

EMI-RF2 = EMI Shielding giving reduction factor according to diagram RF2 (in RT/E/PS/00031)

EMI-RF3 = EMI Shielding giving reduction factor according to diagram RF3 (in RT/E/PS/00031)

Red cat numbers are NOT approved by Network Rail

PE-FILLED

Conductor	Pairs	SS/D	RPS	BST	BTA	EMI-RF1	EMI-RF2	EMI-RF3
0.9mm	2	0006/170001	0006/170006	0006/170011	0006/170016	0006/170021	0006/170026	0006/170031
	10	0006/170002	0006/170007	0006/170012	0006/170017	0006/170022	0006/170027	0006/170032
	12	0006/170003	0006/170008	0006/170013	0006/170018	0006/170023	0006/170028	0006/170033
	19	0006/170004	0006/170009	0006/170014	0006/170019	0006/170024	0006/170029	0006/170034
	24	0006/170005	0006/170010	0006/170015	0006/170020	0006/170025	0006/170030	0006/170035

ZHLS-FILLED

Conductor	Pairs	SS/D	RPS	BST	BTA	EMI-RF1	EMI-RF2	EMI-RF3
0.9mm	2	0006/170041	0006/170046	0006/170051	0006/170056	0006/170061	0006/170066	0006/170071
	10	0006/170042	0006/170047	0006/170052	0006/170057	0006/170062	0006/170067	0006/170072
	12	0006/170043	0006/170048	0006/170053	0006/170058	0006/170063	0006/170068	0006/170073
	19	0006/170044	0006/170049	0006/170054	0006/170059	0006/170064	0006/170069	0006/170074
	24	0006/170045	0006/170050	0006/170055	0006/170060	0006/170065	0006/170070	0006/170075

ZHLS-DRY

Conductor	Pairs	SS/D	RPS	BST	BTA	EMI-RF1	EMI-RF2	EMI-RF3
0.9mm	2	0006/170081	0006/170086	0006/170091	0006/170096	0006/170101	0006/170106	0006/170111
	10	0006/170082	0006/170087	0006/170092	0006/170097	0006/170102	0006/170107	0006/170112
	12	0006/170083	0006/170088	0006/170093	0006/170098	0006/170103	0006/170108	0006/170113
	19	0006/170084	0006/170089	0006/170094	0006/170099	0006/170104	0006/170109	0006/170114
	24	0006/170085	0006/170090	0006/170095	0006/170100	0006/170105	0006/170110	0006/170115

PE-FILLED

Conductor	Pairs	SS/D	RPS	BST	BTA	EMI-RF1	EMI-RF2	EMI-RF3
1.4mm	2	0006/170121	0006/170126	0006/170131	0006/170136	0006/170141	0006/170146	0006/170151
	10	0006/170122	0006/170127	0006/170132	0006/170137	0006/170142	0006/170147	0006/170152
	12	0006/170123	0006/170128	0006/170133	0006/170138	0006/170143	0006/170148	0006/170153
	19	0006/170124	0006/170129	0006/170134	0006/170139	0006/170144	0006/170149	0006/170154
	24	0006/170125	0006/170130	0006/170135	0006/170140	0006/170145	0006/170150	0006/170155

ZHLS-FILLED

Conductor	Pairs	SS/D	RPS	BST	BTA	EMI-RF1	EMI-RF2	EMI-RF3
1.4mm	2	0006/170161	0006/170166	0006/170171	0006/170176	0006/170181	0006/170186	0006/170191
	10	0006/170162	0006/170167	0006/170172	0006/170177	0006/170182	0006/170187	0006/170192
	12	0006/170163	0006/170168	0006/170173	0006/170178	0006/170183	0006/170188	0006/170193
	19	0006/170164	0006/170169	0006/170174	0006/170179	0006/170184	0006/170189	0006/170194
	24	0006/170165	0006/170170	0006/170175	0006/170180	0006/170185	0006/170190	0006/170195

ZHLS-DRY

Conductor	Pairs	SS/D	RPS	BST	BTA	EMI-RF1	EMI-RF2	EMI-RF3
1.4mm	2	0006/170201	0006/170206	0006/170211	0006/170216	0006/170221	0006/170226	0006/170231
	10	0006/170202	0006/170207	0006/170212	0006/170217	0006/170222	0006/170227	0006/170232
	12	0006/170203	0006/170208	0006/170213	0006/170218	0006/170223	0006/170228	0006/170233
	19	0006/170204	0006/170209	0006/170214	0006/170219	0006/170224	0006/170229	0006/170234
	24	0006/170205	0006/170210	0006/170215	0006/170220	0006/170225	0006/170230	0006/170235

PA05/1102 Siemens Project, Dorset Coast Resignalling

The cables shall only be used as external signalling cables interconnecting the SIMIS-W interlocking system Concentric Multicore Signalling Cable, (H95, H115 and H145 denote effective capacitance “nF/km”)

Conductor	Code	Cores	Cat No
0.9mm	H115	4	0006/166500
	H115	7	0006/166501
	H115	10	0006/166502
	H115	14	0006/166503
	H115	20	0006/166504
	H115	30	0006/166505
	H115	40	0006/166506
	H115	50	0006/166507
	H115	60	0006/166508
	H115	80	0006/166509
H115	100	0006/166510	

Conductor	Code	Cores	Cat No
1.4mm	H145	4	0006/166515
	H145	7	0006/166516
	H95	10	0006/166517
	H145	10	0006/166518
	H145	14	0006/166519
	H95	14	0006/166520
	H145	20	0006/166521
	H95	20	0006/166522
	H145	30	0006/166523
	H95	30	0006/166524
	H145	40	0006/166525
	H145	50	0006/166526
	H95	50	0006/166527
	H145	60	0006/166528
	H145	80	0006/166529
	H145	100	0006/166530

Conductor	Code	Cores	Cat No
1.8mm	H145	4	0006/166535
	H145	7	0006/166536
	H95	10	0006/166537
	H145	10	0006/166538
	H145	14	0006/166539
	H95	14	0006/166540
	H145	20	0006/166541
	H95	20	0006/166542
	H145	30	0006/166543
	H95	30	0006/166544
	H145	40	0006/166545
	H145	50	0006/166546
	H95	50	0006/166547
	H145	60	0006/166548
	H145	80	0006/166549
	H145	100	0006/166550

Conductor	Quads	Cat No
0.9mm Star Quad Signalling Cable	1	0006/166560
	3	0006/166561
	5	0006/166562
	7	0006/166563
	10	0006/166564
	14	0006/166565
	20	0006/166566
	30	0006/166567

Conductor	Quads	Cat No
1.4mm Star Quad Signalling Cable	1	0006/166570
	3	0006/166571
	5	0006/166572
	7	0006/166573
	10	0006/166574
	14	0006/166575
	20	0006/166576
	30	0006/166577