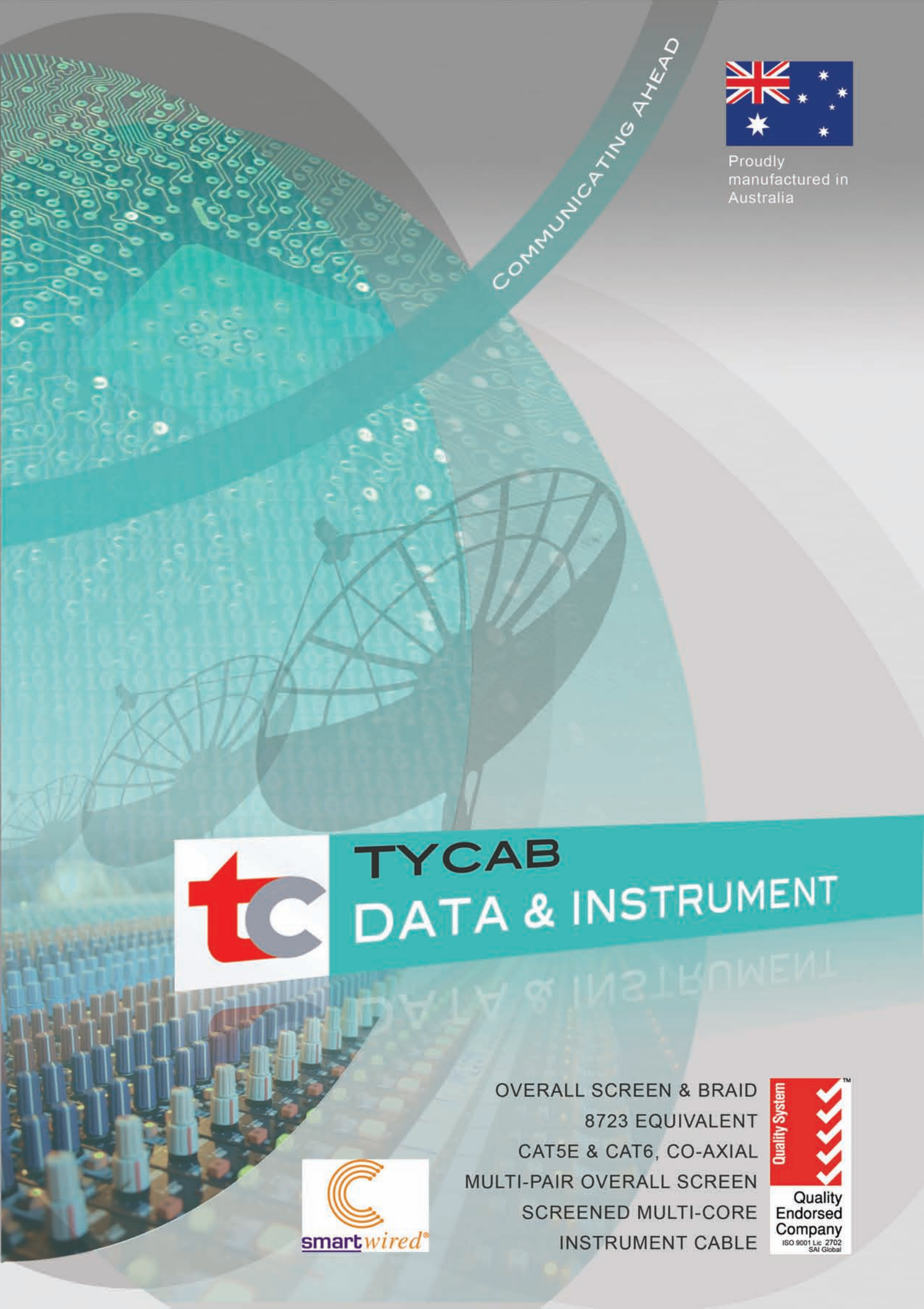

Proudly manufactured in Australia

TYCAB DATA & INSTRUMENT

OVERALL SCREEN & BRAID
8723 EQUIVALENT
CAT5E & CAT6, CO-AXIAL
MULTI-PAIR OVERALL SCREEN
SCREENED MULTI-CORE
INSTRUMENT CABLE

smartwired®

Quality System
Quality Endorsed Company
ISO 9001 Lic 2702
SAI Global

OXYGEN FREE COPPER

RoHS compliant

OVERALL SCREEN 8761 / 8760 / 8770 EQUIVALENT

ACA N1155 (AUSTEL APPROVED)

Applications: Data Communication, Industrial Equipment Control
Conductor: Tinned Copper Wire to AS1125
Insulation: Data Grade Polyethylene
Core Colours: **Black, White, Red**
Screen: Overall Aluminium / Polyester Laminate Tape Screen with a 7/0.25mm Tinned Copper Drain Wire (DMF27025) or a 16/0.20mm Tinned Copper Drain Wire (DMF216025 / DMF316025)
Sheath: RoHS Compliant 75°C PVC to AS3808 and S008
Sheath Colour: **Black, Grey - other colours available by request**
Packs: 100, 250, 300 or 500 metres

CODE	NO. OF CORES	CONDUCTOR NO/DIA (mm)	NOMINAL AREA (mm²)	INSULATION THICKNESS (mm)	SHEATH THICKNESS (mm)	ELECTRICAL RESISTANCE @ 20°C ohm/km	CAPACITANCE WIRE TO WIRE (pF/m)	CAPACITANCE CONDUCTOR TO SCREEN (pF/m)	NOMINAL O.D. (mm)	MASS (kg/100m)
DMF27025*	2	7/0.25	0.34	0.38	0.64	55.9	79	154.0	4.6	2.6
DMF216025**	2	16/0.25	0.8	0.46	0.76	22.7	79	144.0	6.1	4.3
DMF316025**	3	16/0.25	0.8	0.46	0.76	22.7	79	157.0	6.5	5.9

NOTE:
(i) Not Suitable For Connection To Mains Power GPO
* 22AWG (AUSTEL APPROVAL: CCL 95/CA/0053)
** 18AWG

8723 EQUIVALENT

TWO - PAIR INDIVIDUAL SCREEN ACA N1155 (AUSTEL APPROVED)

Applications: Security Control with Signal Integrity
Conductor: Tinned Copper Wire to AS1125
Insulation: Data Grade Polypropylene
Pair Colours: **Pair 1: Black & Red**
Pair 2: Green & White
Screen: Individual Aluminium / Polyester Laminate Tape Screen on a common axis with a 7/0.2mm Tinned Copper Drain Wire
Sheath: RoHS Compliant 75°C PVC to AS3808
Sheath Colour: **DQQ47025 - Grey / DQQ4/7067 - Black**
Packs: 100, 250, 300, 500 metres

CODE	PAIRS	CONDUCTOR NO/DIA (mm)	NOMINAL AREA (mm²)	INSULATION THICKNESS (mm)	SHEATH THICKNESS (mm)	CAPACITANCE WIRE TO WIRE (pF/m)	CAPACITANCE WIRE TO SCREEN (pF/m)	ELECTRICAL RESISTANCE @20°C (ohm/km)	NOMINAL O.D. (mm)	MASS (kg/100m)
DQQ47025*	2	7/0.25	0.34	0.2	0.4	115	200	56.0	4.4	3.1
DQQ4/7067	2 PAIRS+ 1x7/.67**	7/0.25	0.34	0.2	0.4	115	200	56.0	5.1x9.4	8.4
		7/0.67	2.5	0.8	0.5			7.4		

NOTE:
(i) Not Suitable For Connection To Mains Power GPO
* AUSTEL APPROVED A93/CA/0110
** Plain Copper Wire (PCW) Conductor PVC Insulation - Violet Colour

CAT5E & CAT6 100 OHM UTP CABLES - ACA N1155

Applications: High Speed Data / Communication Networks
Conductor: Plain Copper Wire
Insulation: High Speed Data Insulation
Pair Colours: **Pair 1: White / Blue & Blue**
Pair 2: White / Orange & Orange
Pair 3: White / Green & Green
Pair 4: White / Brown & Brown
Sheath: PVC
Sheath Colour: **CAT5E (DPZ81051): Blue, Green, Grey, Red, Violet, Yellow**
CAT6 (DPA81051): Blue, Red
Pack: 305 metres

CODE	NO. OF PAIRS	CONDUCTOR NO/DIA (mm)	NOMINAL AREA (mm²)	NOM/IMPED OHMS	ELECTRICAL RESISTANCE @20°C (ohm/km)	NOMINAL O.D. (mm)	MASS (kg/100m)
DPZ81051	4	0.51	0.2	100	93.8	5.3	3.0
DPA81051	4	0.55	0.24	100	75	6.0	4.0

NOTE: (i) Extra Low Voltage - Not Suitable For Connection To Mains Power GPO

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RoHS compliant

RS485 OVERALL SCREEN & BRAID

ACA N1155 (AUSTEL APPROVED)

Applications: Data Communication, Low Capacitance
Conductor: Tinned Copper Wire to AS1125
Insulation: Data Grade Polyethylene
Core Colours: **Pair 1: Black & White** **Pair 2: Red & Green**
Screen: Overall Aluminium / Polyester Laminate Tape Screen with a 7/0.2mm Tinned Copper Drain Wire
Braid: Tinned Copper Wire
Sheath: RoHS Compliant 75°C PVC to AS3808
Sheath Colour: **Grey**
Packs: 100, 500 metres

CODE	PAIRS	CONDUCTOR NO/DIA (mm)	NOMINAL AREA (mm²)	INSULATION THICKNESS (mm)	SHEATH THICKNESS (mm)	ELECTRICAL RESISTANCE @20°C (ohm/km)	CAPACITANCE WIRE TO WIRE (pF/m)	CAPACITANCE WIRE TO SCREEN (pF/m)	IMPEDANCE OHMS	NOMINAL O.D. (mm)	MASS (kg/100m)
DCK2702*	1	7/0.2	0.2	0.66	0.80	90.9	45	80	120	6.0	4.8
DCK4702	2	7/0.2	0.2	0.66	0.80	90.9	45	80	120	7.0	6.9

NOTE: (i) Not Suitable For Connection To Mains Power GPO
* AUSTEL APPROVED A93/CA/0112

MULTI-PAIR OVERALL SCREEN RS422

ACA N1155 (AUSTEL APPROVED)

Applications: Data Communication, Balanced Mode, Low Capacitance
Conductor: Tinned Copper Wire to AS1125
Insulation: Data Grade Polypropylene
Core Colours:
Pair 1: White / Blue & Blue **Pair 5: White / Grey & Grey** **Pair 9: Red / Tan & Brown**
Pair 2: White / Orange & Orange **Pair 6: Red / Blue & Blue** **Pair 10: Red / Grey & Grey**
Pair 3: White / Green & Green **Pair 7: Red / Orange & Orange** **Pair 11: Black / Light Blue & Blue**
Pair 4: White / Brown & Brown **Pair 8: Red / Green & Green** **Pair 12: Black / Orange & Orange****
Screen: Overall Aluminium / Polyester Laminate Tape Screen with a 7/0.2mm Tinned Copper Drain Wire
Sheath: RoHS Compliant 75°C PVC to AS3808 and S008
Sheath Colour: **Grey**
Packs: 100, 250, 300, 500 metres

CODE	MADE TO ORDER o	NO. OF PAIRS	CONDUCTOR NO/DIA (mm)	NOMINAL AREA (mm²)	AMP RATING	INSULATION THICKNESS (mm)	SHEATH THICKNESS (mm)	ELECTRICAL RESISTANCE @20°C (ohm/km)	CAPACITANCE WIRES OF A PAIR (pF/m)	CAPACITANCE BETWEEN 1 WIRE AND ALL OTHERS (pF/m)	NOMINAL O.D. (mm)	MASS (kg/100m)
DPF2702*		1	7/0.2	0.22	1.4	0.3	0.76	90.9	50	95	4.2	2.3
DPF4702*		2	7/0.2	0.22	1.4	0.3	0.76	90.9	50	95	5.8	3.3
DPF6702*		3	7/0.2	0.22	1.4	0.3	0.76	90.9	50	95	6.2	4.0
DPF8702	o	4	7/0.2	0.22	1.4	0.3	0.76	90.9	50	95	6.6	4.7
DPF12702	o	6	7/0.2	0.22	1.4	0.3	0.76	90.9	50	95	7.7	6.2
DPF16702	o	8	7/0.2	0.22	1.4	0.3	0.76	90.9	50	95	8.5	7.1
DPF20702	o	10	7/0.2	0.22	1.4	0.3	0.76	90.9	50	95	9.4	8.9
DPF24702	o	12	7/0.2	0.22	1.4	0.3	0.76	90.9	50	95	10.0	10.3
DPF36702	o	18	7/0.2	0.22	1.4	0.3	0.76	90.9	50	95	12.0	14.2
DPF50702	o	25	7/0.2	0.22	1.4	0.3	0.76	90.9	50	95	13.3	18.5

NOTE: (i) Maximum working voltage 300 Volts - Not Suitable For Connection To Mains Power GPO
* AUSTEL APPROVED A93/CA/0111 **Core Colours for 18 Pair and 25 Pair available upon request

SCREENED MULTI-CORE RS232

ACA N1155 (AUSTEL APPROVED)

Applications: Data Communication, Interface Cable
Conductor: Oxygen Free Plain Copper Wire to AS1125
Insulation: RoHS Compliant 75°C PVC to AS3808 and S008
Core Colours:

1. Red	**6. Black**	**11. Tan**	**16. White / Red**	**21. Blue / Black**
2. Blue	**7. Brown**	**12. Grey**	**17. Red / Black**	**22. Orange / Blue**
3. Green	**8. Violet**	**13. Red / Blue**	**18. Red / Tan**	**23. Blue / Green**
4. Yellow	**9. Orange**	**14. Red / Green**	**19. Yellow / Blue**	**24. Grey / Blue**
5. White	**10. Pink**	**15. Yellow / Red**	**20. White / Blue**	**25. Yellow / Green**

Screen: Overall Aluminium / Polyester Laminate Tape Screen with a 7/0.2mm Tinned Copper Drain Wire
Sheath: RoHS Compliant 75°C PVC to AS3808
Sheath Colour: **Grey**
Packs: 100, 250, 300, 500 metres, bulk drum - depending on product type

CODE	NO. OF CORES	CONDUCTOR NO/DIA (mm)	NOMINAL AREA (mm²)	AMP RATING	INSULATION THICKNESS (mm)	SHEATH THICKNESS (mm)	ELECTRICAL RESISTANCE @20°C (ohm/km)	CAPACITANCE WIRE - WIRE (pF/m) typical	NOMINAL O.D. (mm)	MASS (kg/100m)
DMC4702*	4	7/0.2	0.2	1.4	0.3	0.76	89.5	90	4.55	3.2
DMC6702*	6	7/0.2	0.2	1.4	0.3	0.76	89.5	90	5.4	4.2
DMC8702*	8	7/0.2	0.2	1.4	0.3	0.76	89.5	90	5.6	5.4
DMC12702*	12	7/0.2	0.2	1.4	0.3	0.76	89.5	90	6.6	6.6
DMC18702*	18	7/0.2	0.2	1.4	0.3	0.76	89.5	90	7.6	9.0
DMC25702*	25	7/0.2	0.2	1.4	0.3	0.76	89.5	90	8.8	11.9
DMC41402**	4	14/0.2	0.4	2.8	0.3	0.76	44.8	100	5.3	5.5
DMC71402**	7	14/0.2	0.4	2.8	0.3	0.76	44.8	100	6.2	6.8

NOTE: (i) Maximum working voltage 300 Volts (ii) Not Suitable For Connection To Mains Power GPO
* AUSTEL APPROVED A93/CA/0123 (7/0.2) ** AUSTEL APPROVED A93/CA/0122 (14/0.2)

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RoHS compliant

INSTRUMENT CABLE
OVERALL SCREEN - PAIRS - TRIPLES

Applications: Interconnection of Electronic Equipment and Instruments
Conductor: Oxygen Free Plain Copper Wire to AS1125
Insulation: RoHS Compliant V90HT (105ºC) to AS3808
Pair Colours: **Black and White numbered**
Triad Colours: **Red, White and Black**
Screen: Overall Aluminium / Polyester Laminate Tape Screen with a 7/0.25mm Tinned Copper Drain Wire
Sheath: RoHS Compliant V90HT (105°C) PVC to AS3808
Sheath Colour: **Black**
Packs: 100 or 500 metres

CODE	MADE TO ORDER o	PAIRS	CONDUCTOR NO/DIA (mm)	NOMINAL AREA (mm^2)	INSULATION THICKNESS (mm)	SHEATH THICKNESS (mm)	ELECTRICAL RESISTANCE @20°C (ohm/km)	NOMINAL PAIR CAPACITANCE (pF/m)	NOMINAL O.D. (mm)	MASS (kg/100m)
IPD2703	o	1	7/0.3	0.5	0.4	1.0	38.4	145	5.6	4.1
IPD4703		2	7/0.3	0.5	0.4	1.4	38.4	145	8.1	7.4
IPD6703	o	3	7/0.3	0.5	0.4	1.4	38.4	145	8.8	9.1
IPD8703	o	4	7/0.3	0.5	0.4	1.4	38.4	145	9.8	11.3
IPD12703	o	6	7/0.3	0.5	0.4	1.4	38.4	145	11.3	15.0
IPD16703	o	8	7/0.3	0.5	0.4	1.4	38.4	145	12.5	18.2
IPD20703	o	10	7/0.3	0.5	0.4	1.4	38.4	145	13.7	22.0
IPD2705	o	1	7/0.5	1.5	0.4	1.0	13.8	200	7.0	6.5
IPD4705	o	2	7/0.5	1.5	0.4	1.4	13.8	200	10.0	12.4
IPD3705	o	TRIAD	7/0.5	1.5	0.4	1.0	13.8	200	7.4	8.3

NOTE: (i) Maximum working voltage 600 Volts - Not Suitable For Connection To Mains Power GPO

FLEXIBLE INSTRUMENTATION
BRAID SCREEN - MULTI WIRE

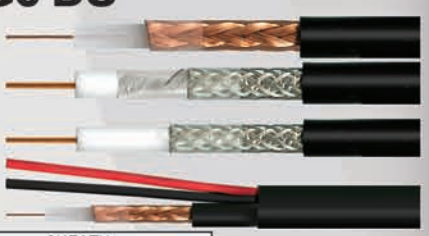
Applications: Interconnection of Electronic Equipment and Instruments
Conductor: Tinned Copper Wire to AS1125
Insulation: RoHS Compliant V90HT (105°C) PVC to AS3808
Core Colours: **1. Red 2. Blue 3. Green 4. Yellow 5. White 6. Black**
Screen: Overall Tinned Copper Wire
Sheath: RoHS Compliant V90HT (105°C) PVC to AS3808
Sheath Colour: **Grey**
Packs: 100 or 500 metres

CODE	MADE TO ORDER o	NO. OF CORES	CONDUCTOR NO/DIA (mm)	NOMINAL AREA (mm2)	INSULATION THICKNESS (mm)	SHEATH THICKNESS (mm)	ELECTRICAL RESISTANCE @20°C (ohm/km)	NOMINAL O.D. (mm)	MASS (kg/100m)
ICT4702	o	4	7/0.2	0.2	0.25	0.8	90.9	4.9	4.5
ICT6702	o	6	7/0.2	0.2	0.25	0.8	90.9	5.4	5.4
ICT41602	o	4	16/0.2	0.5	0.30	0.8	40.1	7.2	6.5
ICT61602	o	6	16/0.2	0.5	0.30	0.8	40.1	9.0	8.9

NOTE: (i) Not Suitable For Connection To Mains Power GPO

CO-AXIAL - 75 OHM - RG59 - RG6 QS - RG6 DS

Applications: General Purpose Co-Ax, Interconnections of Electric Equipment & Instruments
Sheath Colour: **Black**
Packs: 100, 200, 305, 500 metres



			INSULATION		SCREEN		SHEATH		
CODE	RG TYPE	CONDUCTOR NO/DIA (mm)	TYPE	mm	TYPE	%	TYPE	mm	MASS kg/100m
CCE11057	RG59	0.57 PCW	Solid PE	3.6	1 x PCW Braid	94%	PVC	6.15	6.0
CKC11035	RG6 QUAD SHIELD	1.02 CCS	Foam PE	4.57	1 x AL Foil	BONDED	PVC	7.62	10.0
					1 x AL Braid	60%			
					1 x AL Foil				
					1 x AL Braid	40%			
CKZ1102	RG6 DUAL SHIELD	1.02 PCW	Foam PE	4.57	1 x AL Foil		PVC	6.91	5.0
					1 x TCW Braid	60%			
CCE59224	RG59 + 2X24/.2	0.57 PCW	SOLID	3.6	1 x PCW Braid	94%	PVC	10.2	14.0
		24/0.2 PCW	PVC	2.4					

Manufactured by

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