



Instrumentation Cable CS Overall Screened



Description	Maser Code
1PR 18AWG 0.75MM TCW CS BLUE	MAS5401CS BLUE
1PR 16AWG 1.5MM TCW ES BLACK	MAS5102ES
1PR 16AWG 1.5MM TCW ES BLUE	MAS5102ES BLUE
2PR 20AWG 0.5MM TCW CS BLUE	MAS5002CS BLUE
8PR 20AWG 0.5MM TCW CS BLACK	MAS5008CS

Physical Characteristics	0.5mm ²	0.75mm ²	1.5mm ²
AWG	20 AWG	18 AWG	16 AWG
Tinned Copper Conductor Stranding	7/0.30	7/0.37	7/0.50
Tinned Copper Drain Wire Stranding	7/0.2	7/0.2	7/0.2
Insulation – Black/White Numbered Pairs	PVC, V90HT		
Insulation Thickness (mm)	0.4	0.4	0.4
Shield	Aluminium Foil / Polyester Tape (100% Coverage)		
Sheath	PVC, 5V-90, Flame Retardant, UV Resistant		
Bending Radius - Fixed (D=Cable Diameter)	10D		
Armour (Where applicable)	Galvanised Steel Wire		

Electrical Characteristics	0.5mm ²	0.75mm ²	1.5mm ²
Conductor Resistance at 20°C (Ω/km)	38.4	24.5	13.6
Voltage Rating (VAC/VDC)	110/150	110/150	110/150
Insulation Voltage Rating	300V	300V	300V
Maximum Current Rating (Amperes)	3.2	7.5	13
Insulation Resistance at 20°C (MΩ.km)	140	140	140
Maximum Capacitance Cond. to Cond. - Unscreened (pF/m)	85	89	110
Maximum Capacitance Cond. to Cond. - Screened (pF/m)	145	150	200
Maximum Capacitance Cond. to Scr. - Screened (pF/m)	240	250	300
L/R ratio @ 1kHz (μH/Ω)	13.7	20.0	36.5
Inductance @ 1kHz (mH/km)	1	0.98	0.95
Characteristic impedance at 1kHz Unscreened (Ω)	380	313	200
Characteristic impedance at 1kHz Screened (Ω)	300	-	150
Crosstalk attenuation between pairs @ 1kHz Unscreened (dB/100M)	>100	>100	>100
Crosstalk attenuation between pairs @ 1kHz Screened (dB/100M)	>125	>125	>125

STANDARDS: AS/NZS 1125, AS/NZS 3808, AS/NZS 60079.14, IEC 60332-1-2, IEC 60332-3-22, RoHS Compliant

Available in **Standard Black PVC** or **Intrinsically Safe Blue PVC**

0.6/1KV Control Cable SWA Armoured



Description	Maser Code
4C 2.5MM TCW 0.6/1KV SWA	MASCC104/2.5SWA
7C 2.5MM TCW 0.6/1KV SWA	MASCC107/2.5SWA
12C 2.5MM TCW 0.6/1KV SWA	MASCC112/2.5SWA
19C 2.5MM TCW 0.6/1KV SWA	MASCC119/2.5SWA

Physical Characteristics	2.5mm ²
Conductor	Stranded Tinned Copper
Conductor Stranding	7/0.67
Insulation	PVC, V90HT, White (Numbered)
Insulation Thickness (mm)	0.8
Separator	PET Tape or Non-Woven Tape
Sheath	SPVC, 5V-90, Flame Retardant, UV Resistant
Bending Radius (Fixed)	12D (D = Cable Diameter)
Armour (Where applicable)	Galvanised Steel Wire
Voltage	0.6/1KV
Operating Temp.	-20°C to +90°C

STANDARDS: AS/NZS1125, AS/NZS3008, AS/NZS3808, AS/NZS5000.1, IEC60332-1-2, (SWA: IEC60332-3-22), RoHS Compliant

Conductor Size (mm ²)	Nominal Amps Unenclosed, Fixed, Touching	Nominal Amps Buried Direct in ground	Max. D.C. Resistance @ 20°C (Ω/KM)	3 Phase Voltage Drop (@ 50Hz & 90°C) mV/A.m
2.5mm	25 Amps	28 Amps	7.41	16.40

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CAT6 4 Pair UTP 23AWG External (Direct Bury) Gel Filled



Description	Maser Code
CAT6 4 PR UTP 23AWG GEL BURIAL EXTERNAL	MSEC C64PEXT GEL

CAT6 4 Pair FTP 23AWG Foil Shield – External SWA



Description	Maser Code
CAT6 4PR FTP 23AWG FOIL SHIELD LSZH INNER JACKET EXTERNAL SWA	BEL145007

2 Core Tinned Fire Alarm Cable

100V SPEAKER LINE RATED
STANDARDS: AS/NZS 5000.2:2006 450/750V V90



Description	Maser Code
2 Core 1.25MM TCW V90 PVC	B2C1.25FACTCWGY200BX

Inductive Traffic Loop Cable

Vehicle detection loops / Inductive-loop traffic detectors
STANDARDS: AS/NZS 2276.3



Description	Maser Code
1C 16AWG 1.5MM 7/0.5MM BLACK XLPE INSULATION RATED TO 90°C	AU-LDC17050

Fieldbus Cable Steel Wire Armoured



Description	Maser Code
1PR 18AWG 0.8MM TCW CS SWA BLUE	FB53-8831A-272

Physical Characteristics	
Conductor	18AWG (0.80mm)
Stranding	7/0.40 Tinned Copper
Insulation	0.64mm FR-XLPE
Insulation Colour	Brown/Blue
Shielding	Aluminum/Polyester Tape c/w 7/0.20 Tinned Copper Drain Wire
Bedding	0.90mm FR-PVC Blue
Armour	Galvanised Steel Wire
Sheath	1.0mm FR-PVC Blue
Operating Temperature	-20°C to +105°C
Voltage Rating	300v UL PLTC/ITC
Insulation Test Voltage	7.5kVDC/2.5kVAC
Conductor Resistance	22.70 Ω/km
Inductance	0.673 mH/km
Mutual Capacitance	75 nF/km
Grounded Capacitance	135 nF/km
Capacitance Unbalance Max.	4.0 pF/m
Characteristic Impedance	100Ω +/- 10
L/R Ratio	15 μH/Ω

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