

Traffic Cable

Trafficab – Multi-Core Traffic Signal Cable



Application:

Underground multi-core power cable for the interconnection of traffic signal posts and/or the associated control equipment.

Benefits

Type Approved	Type approved in various states and territories
Easy to Use	White cores with black numbers make the cores easily identifiable in low light
Enhanced Performance	Large earth and neutral cores to meet statutory requirements
Easy to Identify	High visibility orange PVC sheath
Longer Life	V90/5V90 insulation and sheath for double the expected lifespan of V75/4V75

Features

- ✓ Stranded circular conductors are suitable for fixed installations
- ✓ RoHS compliant PVC to European environmental requirements
- ✓ Mylar wrapped to aid stripping of sheath
- ✓ Flexible cable construction for easy bending in restricted spaces.

Construction

Conductor	Plain annealed copper wire, class 2
Insulation	V90 PVC
Sheath	5V90 PVC
Colours	White cores with black numbering, grey and black neutral cores and green/yellow earth

Ratings

Temperature	0°C to + 90°C
Voltage	0.6/1kV
Applicable Standards	AS/NZS1125, AS/NZS3808, AS/NZS2276.1, AS/NZS5000.1, AS/NZS1660.5.6, IEC 60228, IEC 60332-1



Copper



Minimum Service
Temperature:
0°C



Maximum Service
Temperature:
90°C



Maximum Short Circuit
Temperature:
160°C



Impact Resistant



Abrasion Resistant



Chemical & Oil
Resistant



Flame
Non-Propagation



Metre Marking



Minimum Recommended
Bend Radius Fixed 6 x OD

SYDNEY (Head Office)
102 Old Pittwater Road
Brookvale NSW 2100
Phone: 02 9938 5622
Fax: 02 9938 3973

BRISBANE
Unit 4/12 Selhurst St
Coopers Plain QLD 4108
Phone: 07 3344 1763
Fax: 07 3345 4076

MELBOURNE
9/24-26 Carrick Drive
Tullamarine VIC 3043
Phone: 03 9335 2600
Fax: 03 9330 3903

NEWCASTLE
64 Orlando Road
Lambton NSW 2299
Phone: 02 4956 2044
Fax: 02 4956 1983

WESTERN AUSTRALIA
1 Karratha St
Welshpool WA 6106
Phone: 08 9351 9966
Fax: 08 9356 2522



Trafficab – Multi-Core Traffic Signal Cable

Bambach Item Code	Construction	Conductor CSA mm ² *	Conductor Stranding No. of Strands/mm	Nom Ø mm	Weight kg/km	Applicable state
46009	13C	1.5C + 2.5(R+N+E)	7/0.5 + 7/0.67	17.7	448	
46013	19C	1.5C + 2.5(R+N+E)	7/0.5 + 7/0.67	20.0	588	
46012	19C	1.5C + 2.5R + 4(N + E)	7/0.5 + 7/0.67 + 7/0.85	21.0	640	Vic
17809A	29C	1.5C + 2.5(R+N+E)	7/0.5 + 7/0.67	23.8	827	
17810A	29C	1.5C + 4(R + N + E)	7/0.5 + 7/0.85	27.2	1014	NSW
17812A	29C	1.5C + 4R + 6(N + E)	7/0.5 + 7/0.85 + 7/1.04	28.0	1064	Vic
17813A	36C	1.5C + 2.5R + 4N + 6E	28/0.25 + 46/0.25 + 74/0.25 + 110/0.25	31.8	1413	Qld
17814A	51C	1.5C + 4(R + N + E)	7/0.5 + 7/0.85	32.5	1565	
17811A	51C	1.5C + 4R + 10(N + E)	7/0.5 + 7/0.85 + 7/1.35	36.3	1772	Vic

*C = core, R = Return, N = Nature, E = Earth

SYDNEY (Head Office)
102 Old Pittwater Road
Brookvale NSW 2100
Phone: 02 9938 5622
Fax: 02 9938 3973

BRISBANE
Unit 4/12 Selhurst St
Coopers Plain QLD 4108
Phone: 07 3344 1763
Fax: 07 3345 4076

MELBOURNE
9/24-26 Carrick Drive
Tullamarine VIC 3043
Phone: 03 9335 2600
Fax: 03 9330 3903

NEWCASTLE
64 Orlando Road
Lambton NSW 2299
Phone: 02 4956 2044
Fax: 02 4956 1983

WESTERN AUSTRALIA
1 Karratha St
Welshpool WA 6106
Phone: 08 9351 9966
Fax: 08 9356 2522



Traffic Cable

Detecta-Cab – XLPE Insulated Loop Detector Traffic Cable



Application:

For use in inductive vehicle-detector loops within traffic signal installations

Benefits	
Type Approved	Type approved in various states and territories
Extra Heavy Duty	Exceptional mechanical strength, impact and abrasion resistance
High UV Resistance	High carbon content insulation provides excellent UV protection
Chemical Resistant	Resistant to a range of chemicals
Features	
✓	Oxygen free tinned copper for high conductivity soldered connections and corrosion protection
✓	High temperature insulation for high ambient temperature applications
✓	Cross-Linked insulation for additional mechanical and thermal stability
Construction	
Conductor	Oxygen free tinned annealed copper wire, class 2
Insulation	X-90UV
Colour	Black
Ratings	
Temperature	-10°C to + 90°C
Voltage	250/250V
Applicable Standards	AS/NZS1125, AS/NZS2276.3, AS/NZS3808, IEC 60228

Detecta-Cab – XLPE Insulated Loop Detector Traffic Cable

Bambach Item Code	Conductor CSA mm ²	Conductor Stranding No. of Strands/mm	Nom Ø mm	Weight kg/km
46005	1.5	7/0.50	3.9	24



Oxygen Free, Tinned Copper for Corrosion Resistance



Minimum Service Temperature: -10°C



Maximum Service Temperature: 90°C



Impact Resistant



Abrasion Resistant



UV Resistant



Halogen Free



Minimum Recommended Bend Radius Fixed 6 x OD

SYDNEY (Head Office)
102 Old Pittwater Road
Brookvale NSW 2100
Phone: 02 9938 5622
Fax: 02 9938 3973

BRISBANE
Unit 4/12 Selhurst St
Coopers Plain QLD 4108
Phone: 07 3344 1763
Fax: 07 3345 4076

MELBOURNE
9/24-26 Carrick Drive
Tullamarine VIC 3043
Phone: 03 9335 2600
Fax: 03 9330 3903

NEWCASTLE
64 Orlando Road
Lambton NSW 2299
Phone: 02 4956 2044
Fax: 02 4956 1983

WESTERN AUSTRALIA
1 Karratha St
Welshpool WA 6106
Phone: 08 9351 9966
Fax: 08 9356 2522





Can't find what your looking for?

Speak to our engineers for a custom made cable solution



SYDNEY (Head Office)
102 Old Pittwater Road
Brookvale NSW 2100
Phone: 02 9938 5622
Fax: 02 9938 3973

BRISBANE
Unit 4/12 Selhurst St
Coopers Plain QLD 4108
Phone: 07 3344 1763
Fax: 07 3345 4076

MELBOURNE
9/24-26 Carrick Drive
Tullamarine VIC 3043
Phone: 03 9335 2600
Fax: 03 9330 3903

NEWCASTLE
64 Orlando Road
Lambton NSW 2299
Phone: 02 4956 2044
Fax: 02 4956 1983

WESTERN AUSTRALIA
1 Karratha St
Welshpool WA 6106
Phone: 08 9351 9966
Fax: 08 9356 2522



Traffic Cable

Detecta-Cab – PP Insulated Loop Detector Traffic Cable



Application:

For use in inductive vehicle-detector loops within traffic signal installations

Benefits	
Type Approved	Type approved in various states and territories
Extra Heavy Duty	Exceptional mechanical strength, impact and abrasion resistance
High UV Resistance	High UV resistant insulation provides excellent UV protection
Chemical Resistant	Resistant to a range of chemicals
Smaller Diameter	Smaller diameter than the XLPE loop detector cable
Features	
✓ Tinned copper strands for corrosion protection	
✓ Oxygen free tinned copper for high conductivity soldered connection	
✓ Low permittivity material for easy induction	
Construction	
Conductor	Tinned annealed copper wire, class 2
Insulation	PP
Colour	Black
Ratings	
Temperature	-10°C to + 80°C
Voltage	250/250V
Applicable Standards	AS/NZS1125, AS/NZS2276.3, AS/NZS3808, IEC 60228

Detecta-Cab – PP Insulated Loop Detector Traffic Cable

Bambach Item Code	Conductor CSA mm ²	Conductor Stranding No. of Strands/mm	Nom Ø mm	Weight kg/km
46006	1.5	7/0.50	3.5	21



Oxygen Free, Tinned Copper for Corrosion Resistance



Minimum Service Temperature: -10°C



Maximum Service Temperature: 80°C



Impact Resistant



Abrasion Resistant



UV Resistant



Halogen Free



Minimum Recommended Bend Radius Fixed 6 x OD

SYDNEY (Head Office)
102 Old Pittwater Road
Brookvale NSW 2100
Phone: 02 9938 5622
Fax: 02 9938 3973

BRISBANE
Unit 4/12 Selhurst St
Coopers Plain QLD 4108
Phone: 07 3344 1763
Fax: 07 3345 4076

MELBOURNE
9/24-26 Carrick Drive
Tullamarine VIC 3043
Phone: 03 9335 2600
Fax: 03 9330 3903

NEWCASTLE
64 Orlando Road
Lambton NSW 2299
Phone: 02 4956 2044
Fax: 02 4956 1983

WESTERN AUSTRALIA
1 Karratha St
Welshpool WA 6106
Phone: 08 9351 9966
Fax: 08 9356 2522





Looking for flexible cable?

Bambach is a leading supplier of flexible single core's, SDI's and multicore's in a range of materials and size's



SYDNEY (Head Office)
102 Old Pittwater Road
Brookvale NSW 2100
Phone: 02 9938 5622
Fax: 02 9938 3973

BRISBANE
Unit 4/12 Selhurst St
Coopers Plain QLD 4108
Phone: 07 3344 1763
Fax: 07 3345 4076

MELBOURNE
9/24-26 Carrick Drive
Tullamarine VIC 3043
Phone: 03 9335 2600
Fax: 03 9330 3903

NEWCASTLE
64 Orlando Road
Lambton NSW 2299
Phone: 02 4956 2044
Fax: 02 4956 1983

WESTERN AUSTRALIA
1 Karratha St
Welshpool WA 6106
Phone: 08 9351 9966
Fax: 08 9356 2522



Traffic Cable

Feeda-Cab - Traffic Feeder Cable



Application:

For use in inductive vehicle detector loops with traffic signal applications, connecting the control box to the loop detector cable.

Benefits

Type Approved	Type approved in various states and territories
Water Blocking Gel	Inert gel prevents any ingress of water up the cable
Easy to Use	Water blocking gel is easy to wipe away and does not stick to hands
Excellent Electrical Integrity	Blocking agent minimises any change in electrical characteristics
Suitable for Outdoors	UV resistant sheath allows for installation outside

Features

- ✓ Multi-pair cable version allows for easier installation
- ✓ Robust materials provides additional mechanical, impact and abrasion resistance
- ✓ Water blocking gel is very easy to use and wipes away to nothing

Construction

Conductor	Oxygen free plain annealed copper wire, class 2	
Insulation	PE	
Pair Colours	1 Pair: black/black	2 Pair: black/black, red/red
	3 Pair: black/black, red/red, white/white	4 Pair: black/black, red/red, white/white, blue/blue
Water Block	Gel Filled	
Bedding	PE	
Screen	Aluminium/Polyester tape with 7/0.25mm TC drain wire	
Sheath	5V90 PVC	

Ratings

Temperature	-10°C to + 70°C
Voltage	ELV
Characteristic Impedance (25kHz – 100kHz)	80-100Ω
Mutual Capacitance (1kHz)	65-80pF/m
Unbalanced Capacitance (1kHz)	<2%
Applicable Standards	AS/NZS1125, AS/NZS2276.2, AS/NZS3808, AS/NZS1660.5.6, IEC 60228, IEC 60332-1



Oxygen Free Copper



Minimum Service Temperature: -10°C



Maximum Service Temperature: 70°C



Impact Resistant



Metre Marking



Abrasion Resistant



Flame Non-Propagation



UV Resistant



Minimum Recommended Bend Radius
Fixed 6 x OD

SYDNEY (Head Office)
102 Old Pittwater Road
Brookvale NSW 2100
Phone: 02 9938 5622
Fax: 02 9938 3973

BRISBANE
Unit 4/12 Selhurst St
Coopers Plain QLD 4108
Phone: 07 3344 1763
Fax: 07 3345 4076

MELBOURNE
9/24-26 Carrick Drive
Tullamarine VIC 3043
Phone: 03 9335 2600
Fax: 03 9330 3903

NEWCASTLE
64 Orlando Road
Lambton NSW 2299
Phone: 02 4956 2044
Fax: 02 4956 1983

WESTERN AUSTRALIA
1 Karratha St
Welshpool WA 6106
Phone: 08 9351 9966
Fax: 08 9356 2522



Feeda-Cab – Traffic Feeder Cable

Bambach Item Code	No. of Pairs x Conductor CSA mm ²	Conductor Stranding No. of Strands/mm	Nom Ø mm	Weight kg/km
46000	1 x 1.5	7/0.50	7.8	72
46014	2 x 1.5	7/0.50	9.6	114
46015	3 x 1.5	7/0.50	11.9	174
46016	4 x 1.5	7/0.50	12.9	219

SYDNEY (Head Office)
102 Old Pittwater Road
Brookvale NSW 2100
Phone: 02 9938 5622
Fax: 02 9938 3973

BRISBANE
Unit 4/12 Selhurst St
Coopers Plain QLD 4108
Phone: 07 3344 1763
Fax: 07 3345 4076

MELBOURNE
9/24-26 Carrick Drive
Tullamarine VIC 3043
Phone: 03 9335 2600
Fax: 03 9330 3903

NEWCASTLE
64 Orlando Road
Lambton NSW 2299
Phone: 02 4956 2044
Fax: 02 4956 1983

WESTERN AUSTRALIA
1 Karratha St
Welshpool WA 6106
Phone: 08 9351 9966
Fax: 08 9356 2522

