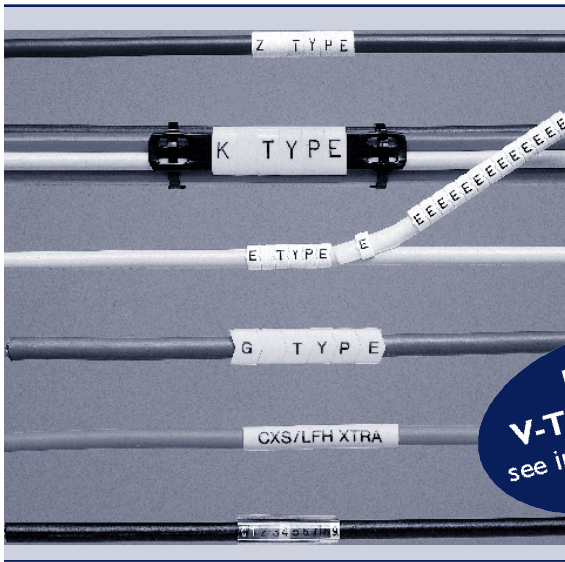


product CATALOGUE

year 2000



NEW
V-Type Marker
 see inside back cover
 for details

A comprehensive range of cable marker products and systems for all kinds of applications and environments.

BETAMARK®

- Z-Type®
- G-Type®
- E-Type®
- O-Type®
- CXS/CXC/CXE/CXP
- Multimark®
- K-Type®
- Unilabel™
- Stainless Steel BetaMarker®

| For Cable Diameter mm | For Cable Size mm ² (BS6004) (BS6231) | Marker Size | Marker Length mm | Packed | | ORDER CODE (Straight Cut) | ORDER CODE (Chevron Cut) |
|-----------------------|--|-------------|------------------|----------|-------|---------------------------|--------------------------|
| | | | | Reel Box | Discs | | |
| 1.5-2.0 | - | 5 | 4.5 | 1000 | - | 0580 | 1151 |
| 2.0-3.2 | 1.0 | 7 | 4.5 | 1000 | - | 0581 | 1152 |
| 2.5-4.0 | 1.5 | 9 | 4.5 | 1000 | 250 | 0615 | 1153 |
| 2.9-4.7 | 2.5 | 11 | 4.5 | 1000 | 250 | 0616 | 1154 |
| 3.4-5.7 | 4.0 | 13 | 4.5 | 1000 | 200 | 0617 | 1155 |
| 3.8-6.3 | 6.0 | 15 | 4.5 | 1000 | 150 | 0618 | 1156 |
| 4.3-6.9 | 10.0 | 18 | 4.5 | 500 | 150 | 0620 | 1157 |
| 5.5-8.9 | 16.0 | 23 | 6.0 | 500 | 75 | 0622 | 1158 |
| 7.9-12.7 | 25.0 | 35 | 6.0 | 250 | 50 | 0624 | 1159 |



Z-Type Markers

- Gusseted design allows marker to fit firmly over a wide range of cable diameters
- 9 sizes for cables from <math><0.5\text{mm}^2</math> to 35mm²
- Clear, legible mark
- Choice of straight or chevron cut
- Colour coded option

Material

PVC

Colour Options

STRAIGHT CUT:

White body marked black:

A-Z, 0-9 and symbols, available on reels in boxes and on discs.

Yellow body marked black:

A-Z, 0-9 and symbols, available on reels only

Colour Coded:

0-9 all sizes, available in boxes.

0-9 box pack (100 off each number) also available.

CHEVRON CUT:

White body marked black:

A-Z, 0-9 and symbols, available in boxes only.

Yellow body marked black:

A-Z, 0-9 and symbols, available on reels only.

Colour Coded:

0-9, size 11 only, available in boxes or on reels.

Service Temperature

-45°C to +70°C

Chemical Resistance

Excellent resistance to sea water, detergents (10% aqueous), fuels, oils, white and industrial spirit.

Applicators for Z-Type Cable Markers

| Size | Z-Type Size | Packed | ORDER CODE |
|------|-------------|--------|------------|
| 1 | 7 | 1 | 1251 |
| 2 | 9 | 1 | 1252 |
| 3 | 11 | 1 | 1253 |
| 4 | 13 | 1 | 1254 |
| 5 | 15 | 1 | 1255 |
| 6 | 18 | 1 | 1256 |

G-Type Markers

- Limited Fire Hazard
- Zero halogen, UL94 V-0 rated self extinguishing material
- Gusseted design allows marker to fit over a wide range of cable diameters
- Chevron cut ensures marks stay aligned
- 5 sizes for cables from <math><1.0\text{mm}^2</math> to 50mm^2
- Standard colour: yellow



| For Cable Diameter mm | For Cable Size mm ² (BS6004) (BS6231) | Marker Size | Packed Box | ORDER CODE |
|-----------------------|--|-------------|------------|------------|
| 1.4-2.5 | – | G3/10 | 1000 | 0719 |
| 2.0-3.5 | 1.0-2.5 | G3/20 | 1000 | 0720 |
| 3.0-6.0 | 1.5-6.0 | G4/10 | 500 | 0721 |
| 5.0-9.5 | 10.0-25.0 | G6/10 | 250 | 0722 |
| 8.0-12.5 | 25.0-50.0 | G6/20 | 250 | 0723 |



Material

Modified thermoplastic compound (halogen, silicone and cadmium free).

Colour Options

Yellow body marked black: A-Z, 0-9 and symbols.

Service Temperature

-45°C to +70°C.

Flammability

LOI 42% O₂, UL94 V-O rated material FTI > 350°C.

Chemical Resistance

Excellent resistance to sea water, detergents (10% aqueous), fuels and oils.

| For Cable Diameter mm | For Cable Size mm ² (BS6004) (BS6231) | Marker Size | Applicator Colour | Packed | ORDER CODE |
|-----------------------|--|-------------|-------------------|--------|------------|
| 1.0-1.4 | 0.1-0.5 | 1* | Brown | 300 | 0650 |
| 1.4-1.8 | 0.5-0.7 | 2* | Grey | 300 | 0651 |
| 1.9-2.6 | 0.7-1.0 | 3* | Green | 300 | 0652 |
| 2.6-3.5 | 1.5-3.4 | 6* | Red | 300 | 0653 |
| 3.3-4.5 | 2.5-6.0 | 9* | Blue | 300 | 0654 |
| 4.5-6.0 | 6.0-10.0 | 12* | Yellow | 300 | 0655 |
| 5.8-8.5 | 10.0-16.0 | 15** | Orange | 50 | 0656 |
| 8.5-11.5 | 16.0-25.0 | 17** | Orange | 50 | 0657 |
| 11.0-15.5 | 25.0-70.0 | 21** | Grey | 50 | 0658 |
| 15.0-19.0 | 70.0-100.0 | 24** | Grey | 50 | 0659 |



E-Type Markers

- Snap-on marker for post-termination application
- Secure grip for positive fixing to the cable
- Supplied on applicators for quick and easy fixing
- Suitable for cables from 0.1mm^2 to 100mm^2
- Colour coded option

Material

POM.

Colour Options

White body marked black: A-Z, 0-9 and symbols.
 Yellow body marked black: A-Z, 0-9 and symbols.
 Colour Coded: (European): 0-9.

Service Temperature

-40°C to +125°C.

Chemical Resistance

Excellent resistance to sea water, detergents (10% aqueous), fuels, oils, white and industrial spirit.

* Packs contain 10 applicators, each carrying 30 markers.

** Packs contain 50 markers; applicators are sold separately, please ask for details.

| For Cable Diameter mm | For Cable Size mm ² (BS6004) (BS6231) | Marker Size | Marker Length mm | Packed | ORDER CODE Part Cut |
|-----------------------|--|-------------|------------------|--------|---------------------|
| 0.6-1.0 | - | 0.75 | 3.0 | 1000 | 1106-0 |
| 0.9-1.3 | - | 10 | 3.0 | 1000 | 1107-0 |
| 1.1-1.6 | - | 12 | 3.0 | 1000 | 1108-0 |
| 1.4-2.1 | - | 15 | 3.0 | 1000 | 1109-0 |
| 1.9-2.8 | - | 20 | 5.0 | 1000 | 1110-0 |
| 2.4-3.5 | 1.0 | 25 | 5.0 | 1000 | 1111-0 |
| 2.9-4.8 | 1.5 | 30 | 5.0 | 1000 | 1112-0 |
| 3.9-5.8 | 2.5 & 4.0 | 40 | 5.0 | 1000 | 1113-0 |
| 5.3-8.0 | 6.0 & 10.0 | 55 | 5.0 | 1000 | 1114-0 |

Applicators for O-Type Cable Markers

| Size | O-Type Size | Packed | ORDER CODE |
|------|-------------|--------|------------|
| 1 | 20 | 1 | 1251 |
| 2 | 25 | 1 | 1252 |
| 3 | 30 | 1 | 1253 |
| 4 | 40 | 1 | 1254 |
| 6 | 55 | 1 | 1256 |



CXS Silicone Markers

- Suitable for extremes of temperature
- Limited Fire Hazard type available
- Full British Standard size range
- British Standard or customised marking
- Two types of expansion tool available
- International colour code



DEFINITIONS

Markers

Printed cut sleeves.

Sleeves

Non-printed cut sleeves.

Sleeving

Continuous material in coils or on spools.

CXS

Internal Diameter (ID) & Wall Thickness

0.5mm to 50mm ID: 0.1mm to 2mm wall thickness. All the relevant BS sizes fall within this range

Lengths

Markers: 3mm to approx. 75mm.
Sleeves: 1.5mm to 150mm.
Sleeving coil lengths vary with ID sizes.

Colours

Black, brown, red, orange, yellow, green, blue, violet, grey, white, translucent.

Material Properties

Zero Halogen. Good resistance to moisture, ozone, UV, acids, alkalis.

Service Temperature

-65°C to +180°C.

Markings

To customer requirements, from single characters to complex legends. Marking once around is standard, double-print available to special order.

Fitting

Approximate maximum expansion 4 x ID (when fitting), 2 x ID (fitted). Use of expansion tools simplifies fitting.

CXS/198

Sizes/Colours/Material Properties/Fitting

As CXS.

Service Temperature

-65°C to +190°C.

Markings

To BS4G198 Part 1 (including special requirements).

O-Type Markers

- Thin walled PVC Marker – ideal for densely packed wiring
- Conforms with BS3858 Type 3
- Ident repeated up to 3 times around marker
- Colour coded to BS EN 60062 as standard

Material

PVC.

Standard Colours

Pink body marked black: A-Z and symbols.
Colour coded: 0-9.

Service Temperature

-65°C to +95°C.

Chemical Resistance

Excellent resistance to sea water, detergents (10% aqueous), fuels, oils, white and industrial spirit.

Performance

BS3858:1992 Type 3.



CXS/FA

Internal Diameter (ID) & Wall Thickness

0.5mm to 50mm ID.
0.5mm to 2.0mm wall thickness.

Lengths

As CXS.

Colours

As CXS except translucent.

Material Properties

Good resistance to aromatic solvents, oils, fuels, lubricants, acids, alkalis, moisture, ozone, UV.

Service Temperature

-65°C to +200°C.

Markings

To BS4G198 Part 1 (including special requirements).

Fitting

Approximate maximum expansion 2.5 x ID (when fitting), 1.5 x ID (fitted).

CXS/LFH XTRA

Sizes/Colours/Markings/Fitting

As CXS.

Material Properties

As CXS, also Zero Halogen flame retarded, self extinguishing,

Service Temperature

-65°C to +200°C.

CXE Neoprene Markers

- Suitable for binding/identification
- Highly expandable
- British Standard or customised marking
- Full BS3858 size range
- Good resistance to aromatic fluids
- Two sizes of expansion tool available



Sizes

To BS3G198 Part 1 Type 1 and BS3858 Type 1.

Internal Diameter (ID) & Wall Thickness

0.5, 0.75*, 1, 1.2, 1.5, 2, 3, 5, 7.5*, 10, 15*, 20mm ID, 0.4mm to 2.0mm wall thickness. (*sizes not included in BS3858).

Lengths

As CXS.

Colours

As CXS except translucent.

Material Properties

Good resistance to mineral oils, aromatic fuels, acids, alkalis.

Service Temperature

-65°C to +95°C.

Markings

To BS3G198 Part 1 and BS3858 Type 1 or to customer requirements.

Fitting

Approximate maximum expansion 4 x ID (when fitting), 2 x ID (fitted). Use of expansion tools simplifies fitting.

CXC PVC Markers

- Full BS3858 size range
- British Standard or customised marking
- Suitable for binding/identification
- Range of colours

DEFINITIONS

Markers

Printed cut sleeves.

Sleeves

Non-printed cut sleeves.

Sleeving

Continuous material in coils or on spools.

Internal Diameter (ID) & Wall Thickness

0.5mm to 50mm ID. 0.3mm to 1.5mm wall thickness.

Lengths

As CXS.

Colours

As CXS but clear in lieu of translucent. BS2848 material also available in green/yellow stripe.

Material Properties

Good resistance to moisture, ozone, UV, acids, alkalis, aromatic fuel, oils.

Service Temperature

-65°C to +95°C (BS3858)
-65°C to +85°C (BS2848/85T)
-65°C to +105°C (BS2848/105T)

Markings

From single characters to complex legends. Marking once around is standard, double-print available to special order. Also to BS3858 Type 3 if required.

Fitting

Markers (BS3858 material) may be expanded up to approximately 1.4 x ID when fitting and when fitted.



CXP Tape Markers

- High performance pipe and cable marking
- Exceptional operating temperatures – in excess of 300°C
- Wraparound marker with sintered coated protection
- Excellent fluid resistance

Sizes

Available in 4 widths and 2 thicknesses (8 sizes).

Width

½" (12.7mm), ¾" (19.0mm), 1" (25.4mm), 1¼" (32.0mm).

Thickness

0.003" (0.076mm), 0.007" (0.18mm) Note: 0.003" (0.076mm) thick is normally used on pipes/cables up to approximately ½" (12.7mm) diameter. Standard roll length is 11 metres.

Colours

Standard is off white. Single or dual colours also available on 1" (25.4mm) width only, if required, to eg. BSM23.

Material Properties

Good resistance to Aircraft Fuel, Skydrol 500 B4, Kilfrost AL34, Iso-propylalcohol, Dow Corning Silicone Fluid 510/50cs, Sullage Fluid, Acetone.

Service Temperature

-65°C to +300°C plus.

Markings

To specification (AGS, BSM23, Panavia, NSA etc) or to special customer requirements.

Fitting

The tape is treated on the reverse side with a tackifier coating to aid wrapping around the pipe or cable. Final fixing may be by one of the following methods:

- Stainless steel clips (to AGS drawings/specifications) which are sandwiched within the final tape assembly. Clips are supplied separately in each of the 8 tape sizes.
- Use of a clear PTFE heatshrink oversleeve.



Expansion Tools

- For use with silicone and neoprene markers
- Two sizes available, 3 prong, spring loaded
- Replaceable prongs

Minimum Sleeve Internal Diameter

Small 1.5mm, large 3.0mm (all approximate).

Maximum Cable Outside Diameter

Small 8.0mm, large 16.0mm (all approximate).

Maximum Sleeve Length

Small 20mm, large 40mm.

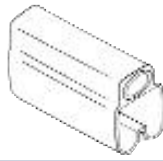
MARKERS

| Carriers | To Fit Length mm | Marker Height mm | Marker Quantity | Pack ORDER CODE |
|----------|------------------|------------------|------------------|-----------------|
| 0, 2, 4 | 2.5 | 3.8 | 1000 (40 Strips) | 0825 |



CARRIERS

| For Cable Diameter mm | For Cable Size mm (BS6004) (BS6231) | Carrier Size | Carrier Length mm | Pack Quantity | ORDER CODE |
|-----------------------|-------------------------------------|--------------|-------------------|---------------|------------|
| 1.8-4.0 | 0.5-1.5 | 0 | – | 50m coil | 0825001 |
| 1.8-4.0 | 0.5-1.5 | 0 | 16 | 1200 | 0825016 |
| 1.8-4.0 | 0.5-1.5 | 0 | 32 | 600 | 0825032 |
| 2.5-6.0 | 1.5-6.0 | 2 | – | 30m coil | 0825201 |
| 2.5-6.0 | 1.5-6.0 | 2 | 16 | 800 | 0825216 |
| 2.5-6.0 | 1.5-6.0 | 2 | 32 | 400 | 0825232 |
| 5.2-8.0 | 4.0-16.0 | 4 | 16 | 400 | 0825416 |
| 5.2-8.0 | 4.0-16.0 | 4 | 32 | 200 | 0825432 |



| MultiMark™ Kits Description | Pack Quantity | ORDER CODE |
|-----------------------------|---------------|------------|
| MultiMark Kit (Full) | 1 | 08251974 |
| MultiMark Box (Empty) | 1 | 0825900 |

MultiMark Kits

- Suitable for post-termination labelling and re-labelling
- The transparent carrier provides excellent mark protection against acids, alkalis and many solvents
- Complete mark can be assembled prior to fitting to the cable
- Three carrier sizes – low inventory requirements
- Colour coded option

Material

PVC.

Service Temperature

–45°C to +70°C.

Colour Options

White body marked black:
A-Z, 0-9 and symbols, available in boxes.
Yellow body marked blackL
A-Z, 0-9 and symbols, available in boxes.
Colour Coded:
0-9, available in boxes.

MultiMark Kit contains:

- 1 x case.
- 1 x dispenser board.
- 1 of each tool.
- 50 x each letter A-Z (black on white).
- 100 x each number 0-9 (black on white).
- 25 x each number colour coded.
- 25 x each symbol (black on white).
- 150 x 16mm, 50 x 32mm size 0 carriers.
- 100 x 16mm size 2 carriers.
- 50 x 16mm size 4 carriers.

K-Type Markers and Carrier Strips

- Versatile marking system for cables, cable bundles and conduit
- Elliptical marker profile allows easy fitting to carrier strips
- Large characters for good legibility
- Two styles of carrier strips holding from 7 to 18 marks
- Wide range of fixing methods

Material

PVC.

Service Temperature

–40°C to +70°C.

Colour Options

Yellow body or white body marked black:
A-Z, 0-9 and symbols, available on reels (R) only.
Colour Coded:
0-9, available on reels (R) only.

Chemical Resistance

Excellent resistance to sea water, detergents (10% aqueous), fuels, oils, white and industrial spirit.

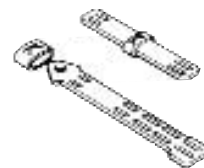
MARKERS

| For Cable Diameter mm | For Cable Size mm (BS6004) (BS6231) | Marker Size | Marker Length mm | Packed Reel (R) | ORDER CODE |
|-----------------------|-------------------------------------|-------------|------------------|-----------------|------------|
| 4.2-7.0 | 4.0-10.0 | 65 | 6.0 | 500 | 1361 |



CARRIER STRIPS

| K-Type Marker Size | Capacity | Packed | ORDER CODE |
|--------------------|-----------|--------|------------|
| 65 | 7 Digits | 500 | 1132 |
| 65 | 12 Digits | 500 | 1131 |
| 65 | 18 Digits | 250 | 1130 |



Universal Carrier Strip *Flag Type*

| | | | |
|----|-----------|-----|------|
| 65 | 12 Digits | 100 | 1133 |
|----|-----------|-----|------|

Unilabel Markers and Channels

- Suitable for large cables, doors, conduit and legend plates
- Large character mark for good legibility
- Interchangeable characters
- A choice of fixing methods to suit application

Material

PVC.

Service Temperature

-25°C to +50°C.

Colour Options

A-Z, 0-9 and symbols, all marked black on white.

Chemical Resistance

Good resistance to oils and solvents.

| Item | Dimensions mm | | Packed | ORDER CODE | ORDER CODE |
|----------------------|---------------|-------------|---------|------------|------------|
| | Size 5 | Size 12 | | Size 5 | Size 12 |
| Label | 9.2 x 4.5 | 18.6 x 10.0 | 500 | 0676 | 0682 |
| Spacer strip (white) | 9.2 x 5m | 18.6 x 5m | 5m coil | 0679 | 0680 |
| End stop (black) | 9.2 x 6.0 | 18.6 x 6.3 | 500 | 0678 | 0684 |
| Channel (plain) | 12.5 x 1000 | 23 x 1000 | 10 x 1m | 0675 | 0681 |
| Channel (slotted) | 12.5 x 1000 | 23 x 1000 | 10 x 1m | 0499 | 0688 |



| Description | Packed | ORDER CODE |
|---|------------|------------|
| BetaMarker tiles (20 per strip) | 200 tiles | 0700 |
| Carrier strips 6 digits | 100 strips | 0703 |
| 10 digits | 100 strips | 0704 |
| 16 digits | 50 strips | 0705 |
| Uncoated stainless steel BetaTies 5 x 140mm | 250 ties | 1819 |

Stainless Steel BetaMarkers

- Limited Fire Hazard
- Suitable for use in the harshest of environments
- Heavily embossed characters
- 316 Stainless steel
- Fixed with Critchley one-piece stainless steel BetaTies
- 6, 10 or 16 digit carriers



Material

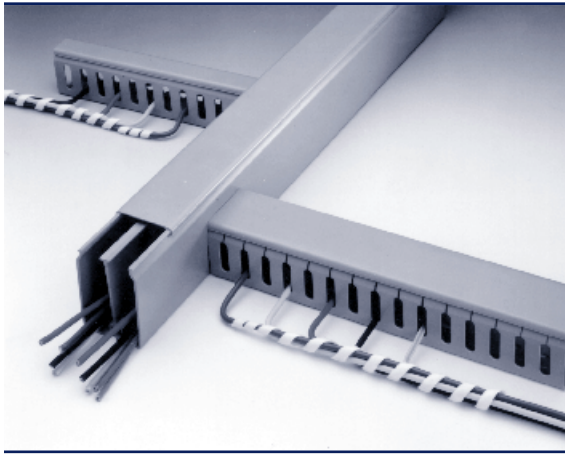
316 Stainless steel.

Standard Colours

Metallic, A-Z, 0-9, +, -, / and blank.

Other products available:

- TapeMark
- LabelMark
- Write-on Label & Marker Pen
- Heat Shrinkable Markers



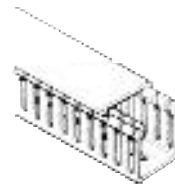
A comprehensive range of products designed specifically for the panel building market. Available in a standard range PVC or high performance Limited Fire Hazard (LFH) material.

| Nominal Size Inner (W x H) mm | Nominal Size Outer (W x H) mm | Packed (in 2m Lengths) metres | ORDER CODE Grey RAL 7030 PVC | ORDER CODE Black PVC | ORDER CODE Blue PVC |
|-------------------------------|-------------------------------|-------------------------------|------------------------------|----------------------|---------------------|
| 19/50 | 25/54 | 24 | 10450018 | 0980 | - |
| 25/37.5 | 29/41 | 24 | 10450022 | 0981 | - |
| 25/50 | 29/54 | 24 | 10450023 | 0913 | 09136 |
| 25/75 | 29/80 | 16 | 10450024 | 0914 | 09146 |
| 25/100 | 29/105 | 16 | 10450025 | 0983 | - |
| 37.5/37.5 | 41/41 | 24 | 10450032 | 0984 | - |
| 37.5/50 | 41/54 | 16 | 10450033 | 0985 | 09856 |
| 37.5/75 | 41/80 | 16 | 10450034 | 0986 | 09866 |
| 37.5/100 | 41/105 | 16 | 10450035 | 0987 | - |
| 50/25 | 54/29 | 24 | 10450051 | 0988 | - |
| 50/37.5 | 54/41 | 16 | 10450052 | 0989 | - |
| 50/50 | 54/54 | 16 | 10450053 | 0916 | 09166 |
| 50/75 | 54/80 | 16 | 10450054 | 0917 | 09176 |
| 50/100 | 54/105 | 8 | 10450055 | 0992 | - |
| 75/37.5 | 80/41 | 16 | 10450072 | 0993 | - |
| 75/50 | 80/54 | 16 | 10450073 | 0994 | - |
| 75/75 | 80/80 | 16 | 10450074 | 0919 | 09196 |
| 75/100 | 80/105 | 8 | 10450075 | 0996 | - |
| 100/50 | 105/54 | 8 | 10450103 | 0998 | - |
| 100/75 | 105/80 | 8 | 10450104 | 0999 | - |
| 100/100 | 105/105 | 8 | 01450105 | 1000 | 10006 |
| 100/125 | 105/130 | 8 | 10450106 | 1001 | - |
| 125/75 | 130/80 | 8 | 10450124 | 0941 | - |

Note: Size 100/125 is not DIN 43659 (base slots) • Size 50/25 has 19mm slot pitching.

BETADUCT

- Open Slot
- Narrow Slot
- Closed Slot
- Plain
- LFH Betaduct
- Accessories



Open Slot Betaduct

- Supplied with lid
- Wide fingers giving additional cable support
- Terminated wires can be re-routed easily
- 20mm slot pitching
- 23 sizes, available in grey, black or blue. Other colours on request

Material

Self extinguishing PVC.

Standard Colours

RAL 7030 grey, black and blue.

Service Temperature

-15°C to +60°C.

Flammability

UL94 V-O rated material.

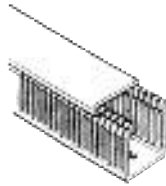
Standards

Base slots to DIN 43659.

Approvals

CSA, UL and Lloyds Register.

Nar row Slot Betaduct



- Supplied with lid
- Ideal for use with slimmer terminal blocks where more access is required
- Improves appearance of panels with cables out in best position
- 10mm slot pitching
- 20 sizes in a choice of grey or black

Material

Self extinguishing PVC.

Standard Colours

RAL 7030 grey, black.

Service Temperature

-15°C to +60°C.

Flammability

UL94 V-O rated material.

Standards

Base slots to DIN 43659.

Approvals

CSA, UL and Lloyds Register.

| Nominal Size Inner (W x H) mm | Nominal Size Outer (W x H) mm | Packed (in 2m Lengths) metres | ORDER CODE Grey RAL 7030 PVC | ORDER CODE Black PVC |
|-------------------------------------|-------------------------------------|-------------------------------------|------------------------------------|----------------------------|
| 19/50 | 25/54 | 24 | 10470018 | 10490018 |
| 25/37.5 | 29/41 | 24 | 10470022 | 10490022 |
| 25/50 | 29/54 | 24 | 10470023 | 10490023 |
| 25/75 | 29/80 | 16 | 10470024 | 10490024 |
| 25/100 | 29/105 | 16 | 10470025 | 10490025 |
| 37.5/37.5 | 41/41 | 24 | 10470032 | 10490032 |
| 37.5/50 | 41/54 | 16 | 01470033 | 10490033 |
| 37.7/75 | 41/80 | 16 | 10470034 | 10490034 |
| 37.5/100 | 41/105 | 16 | 01470035 | 10490035 |
| 50/37.5 | 54/41 | 16 | 10470052 | 10490052 |
| 50/50 | 54/54 | 16 | 10470053 | 10490053 |
| 50/75 | 54/80 | 16 | 10470054 | 10490054 |
| 50/100 | 54/105 | 8 | 10470055 | 10490055 |
| 75/37.5 | 80/41 | 16 | 10470072 | 10490072 |
| 75/50 | 80/54 | 16 | 10470073 | 10490073 |
| 75/75 | 80/80 | 16 | 10470074 | 10490074 |
| 75/100 | 80/105 | 8 | 10470075 | 10490075 |
| 100/50 | 105/54 | 8 | 10470103 | 10490103 |
| 100/75 | 105/80 | 8 | 10470104 | 10490104 |
| 100/100 | 105/105 | 8 | 10470105 | 10490105 |

| Nominal Size Inner (W x H) mm | Nominal Size Outer (W x H) mm | Packed (in 2m Lengths) metres | ORDER CODE Grey RAL 7030 PVC | ORDER CODE Black PVC |
|-------------------------------------|-------------------------------------|-------------------------------------|------------------------------------|----------------------------|
| 15/15 | 17/17 | 48 | 10460011 | 0900 |
| 19/50 | 23/54 | 24 | 10460018 | 0950 |
| 25/20 | 29/25 | 24 | 10460021 | 0901 |
| 25/37.5 | 29/41 | 24 | 10460022 | 0951 |
| 25/50 | 29/54 | 24 | 10460023 | 0903 |
| 25/75 | 29/80 | 16 | 10460024 | 0904 |
| 25/100 | 29/105 | 16 | 10460025 | 0953 |
| 37.5/50 | 41/54 | 16 | 10460033 | 0955 |
| 37.5/75 | 41/80 | 16 | 10460034 | 0956 |
| 37.5/100 | 41/105 | 16 | 10460035 | 0975 |
| 50/25 | 54/29 | 24 | 10460051 | 0938 |
| 50/37.5 | 54/41 | 16 | 10460052 | 0959 |
| 50/50 | 54/54 | 16 | 10460053 | 0906 |
| 50/75 | 54/80 | 16 | 10460054 | 0907 |
| 50/100 | 54/105 | 8 | 10460055 | 0962 |
| 75/50 | 80/54 | 16 | 10460073 | 0964 |
| 75/75 | 80/80 | 16 | 10460074 | 0909 |
| 75/100 | 80/105 | 8 | 10460075 | 0966 |
| 100/50 | 105/54 | 8 | 10460103 | 0968 |
| 100/75 | 105/80 | 8 | 10460104 | 0969 |
| 100/125 | 105/130 | 8 | 10460106 | 0971 |
| 125/75 | 130/80 | 8 | 10460124 | 0940 |

Note: Sizes 15/15 and 100/125 are not DIN 43659 (base slots).
 Sizes 15/15 and 50/25 have 19mm pitching.
 Size 25/20 has 9.5mm pitching.



Closed Slot Betaduct

- Supplied with lid
- Excellent cable retention
- Enhanced protection for installers
- 20mm slot pitching
- 22 sizes, available in grey or black

Material

Self extinguishing PVC.

Standard Colours

RAL 7030 grey, black.

Service Temperature

-15°C to +60°C.

Flammability

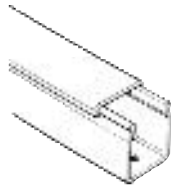
UL94 V-O rated material.

Standards

Base slots to DIN 43659.

Approvals

CSA, UL and Lloyds Register.



Plain Betaduct

- Supplied with lid
- Ideal where no break-outs are required or side wall access is infrequent
- Complete cable protection
- 25 sizes, in either grey or black

Material

Self extinguishing PVC.

Standard Colours

RAL 7030 grey, black.

Service Temperature

-15°C to +60°C.

Flammability

UL94 V-O rated material.

Standards

Base slots to DIN 43659.

Approvals

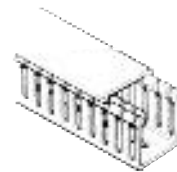
CSA, UL and Lloyds Register.

| Nominal Size Inner (W x H) mm | Nominal Size Outer (W x H) mm | Packed (in 2m Lengths) metres | ORDER CODE Grey RAL 7030 PVC | ORDER CODE Black PVC |
|-------------------------------|-------------------------------|-------------------------------|------------------------------|----------------------|
| 15/15 | 17/17 | 48 | 10480011 | 0920 |
| 19/50 | 23/54 | 24 | 10480018 | 1010 |
| 25/20 | 29/25 | 24 | 10480021 | 0921 |
| 25/37.5 | 29/41 | 24 | 10480022 | 1011 |
| 25/50 | 29/54 | 24 | 10480023 | 0923 |
| 25/75 | 29/80 | 16 | 10480024 | 0924 |
| 25/100 | 29/105 | 16 | 10480025 | 1013 |
| 37.5/37.5 | 41/41 | 24 | 10480032 | 1014 |
| 37.5/50 | 41/54 | 16 | 10480033 | 1015 |
| 37.5/75 | 41/80 | 16 | 10480034 | 1016 |
| 37.5/100 | 41/105 | 16 | 10480035 | 1017 |
| 50/25 | 54/29 | 24 | 10480051 | 1018 |
| 50/37.5 | 54/41 | 16 | 10480052 | 1019 |
| 50/50 | 54/54 | 16 | 10480053 | 0926 |
| 50/75 | 54/80 | 16 | 10480054 | 0927 |
| 50/100 | 54/105 | 8 | 10480055 | 1022 |
| 75/37.5 | 80/41 | 16 | 10480072 | 1023 |
| 75/50 | 80/54 | 16 | 10480073 | 1024 |
| 75/75 | 80/80 | 16 | 10480074 | 0929 |
| 75/100 | 80/105 | 8 | 10480075 | 1026 |
| 100/50 | 105/54 | 8 | 10480103 | 1028 |
| 100/75 | 105/80 | 8 | 10480104 | 1029 |
| 100/100 | 105/115 | 8 | 10480105 | 1030 |
| 100/125 | 105/130 | 8 | 10480106 | 1031 |
| 125/75 | 130/80 | 8 | 10480124 | 0942 |

Note: Sizes 15/15 and 100/125 are not DIN 43659 (base slots).

LFH Betaduct

- Supplied with lid
- Choice of Open slot, Closed slot or Plain
- Limited Fire Hazard
- Zero Halogen
- Low smoke
- Wide range of sizes
- Available in black



Material

Self extinguishing. Modified PPO, Zero Halogen.

Standard Colours

Black.

Service Temperature

-30°C to +120°C.

Flammability

UL94 V-O rated material. BS476 Part 7 Class 1 (Y).

Standards

Base slots to DIN 43659.

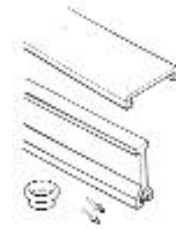
| Nominal Size Inner (W x H) mm | Nominal Size Outer (W x H) mm | Packed (in 2m Lengths) metres | ORDER CODE Open Slot LFH | ORDER CODE Closed Slot LFH | ORDER CODE Plain LFH |
|-------------------------------|-------------------------------|-------------------------------|--------------------------|----------------------------|----------------------|
| 25/35 | 29/38 | 24 | 23461 | 23451 | 23471 |
| 25/50 | 29/54 | 24 | 23462 | 23452 | 23472 |
| 25/75 | 29/80 | 16 | 23463 | 23453 | 23473 |
| 50/50 | 54/54 | 16 | 23464 | 23454 | 23474 |
| 50/75 | 54/80 | 16 | 23465 | 23455 | 23475 |
| 75/75 | 80/80 | 16 | 23466 | 23456 | 23476 |

Note: Open and Closed slot have 19mm pitching.

Riveter

Packed ORDER CODE

1 1858



Rivets – recommended hole size for fixing

| Betaduct Size mm | Plate Thickness mm | Hole Diameter mm | Packed | ORDER CODE |
|------------------|--------------------|------------------|--------|------------|
| 15 x 15 | 0.79 | 3.17 | 100 | 1049 |
| | 1.57 | 3.28 | 100 | 1049 |
| | 2.36 | 3.45 | 100 | 1049 |
| | 3.17 | 3.66 | 100 | 1049 |
| All other sizes | 3.56 | 3.73 | 100 | 1049 |
| | 5.54 | 6.35 | 100 | 1050 |
| | 6.35 | 6.35 | 100 | 1050 |
| | 7.14 | 6.53 | 100 | 1050 |
| | 7.92 | 6.63 | 100 | 1050 |
| | 8.74 | 6.76 | 100 | 1050 |
| | 9.52 | 6.91 | 100 | 1050 |

Betaduct Accessories

- Riveters and rivets are designed for quick fixing
- Dividers allow channels to separate wiring within one trunking run
- Insulation washers provide location for dividers, secured by screws into trunking base
- Side cutters allow a clean professional removal of Betaduct slotted sides
- Additional lids available as required

Dividers – for mounting on insulating washers

| Trunking Size mm | Wall Height mm | Packed (in 2m Lengths) metres | ORDER CODE Grey RAL 7030 PVC | ORDER CODE Black PVC | ORDER CODE Blue PVC |
|------------------|----------------|-------------------------------|------------------------------|----------------------|---------------------|
| -/35 | 26 | 8 | 10450008 | 1038 | 10386 |
| -/50 | 45 | 8 | 10450009 | 1039 | 10396 |
| -/75 | 70 | 8 | 10450010 | 1040 | 10406 |

Insulating Washers

| Internal Diameter | Packed | ORDER CODE |
|-------------------|--------|------------|
| 3.7mm | 50 | 1044 |

Side Cutters

Packed ORDER CODE

1 1857

Lids

| Trunking Size mm | Packed (in 2m Lengths) metres | ORDER CODE Grey RAL 7030 PVC | ORDER CODE Black PVC | ORDER CODE Blue PVC | ORDER CODE Black LFH |
|------------------|-------------------------------|------------------------------|----------------------|---------------------|----------------------|
| 15/- | 24 | 10450001 | 0931 | - | - |
| 25/- | 24 | 10450002 | 0933 | 09336 | 23481 |
| 37.5/- | 24 | 01450003 | 0932 | 10456003 | - |
| 50/- | 24 | 10450004 | 0934 | 09346 | 23482 |
| 75/- | 24 | 10450005 | 0935 | 09356 | 23483 |
| 100/- | 12 | 10450006 | 0936 | 10456006 | - |
| 125/- | 12 | 10450007 | 0937 | - | - |

BETAFLEX®

- LFH Nylon, Polypropylene, PVC, PVDF, FRHDPE
- Connectors
- Betasleeve™
- Spiroband™
- Betashrink®



A comprehensive range of flexible conduit in a variety of materials for specific applications.

LFH Nylon Betaflex 1

- Limited Fire Hazard product, ideal where human life or electronic components are at risk
- Self extinguishing, UL94 V-O rated material
- Zero Halogen
- Excellent UV resistance
- Sizes 16mm to 32mm OD
- Standard colour: black



| Size OD mm | Size ID mm | Minimum Bend Radius mm | Packed m | ORDER CODE |
|------------|------------|------------------------|----------|------------|
| 16 | 12.2 | 20 | 5 | 24112 |
| 16 | 12.2 | 20 | 25 | 24102 |
| 20 | 15.4 | 25 | 5 | 24113 |
| 20 | 15.4 | 25 | 25 | 24103 |
| 25 | 20.1 | 25 | 5 | 24114 |
| 25 | 20.1 | 25 | 25 | 24104 |
| 32 | 26.0 | 35 | 5 | 24115 |
| 32 | 26.0 | 35 | 25 | 24105 |

Material

Self extinguishing nylon 6. Zero Halogen.

Standard Colour

Black.

Service Temperature

-10°C to +120°C (static applications).
-10°C to +100°C (dynamic applications).

Performance

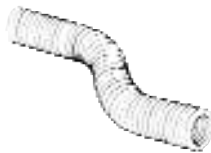
BS EN 50086

Flammability

UL94 V-O rated material. LOI 37% O₂.

Chemical Resistance

Good: diesel, petrol, fuels, white spirit, inorganic salts, sea water, hydrocarbons, organic acids, alcohols.



| Size OD mm | Size ID mm | Minimum Bend Radius mm | Packed m | ORDER CODE Grey | ORDER CODE Black |
|------------|------------|------------------------|----------|-----------------|------------------|
| 16 | 12.2 | 20 | 50 | 24302 | 24282 |
| 20 | 15.4 | 25 | 50 | 24303 | 24283 |
| 25 | 20.1 | 25 | 50 | 24304 | 24284 |
| 32 | 26.0 | 35 | 25 | 24305 | 24285 |
| 43 | 37.7 | 55 | 25 | 24307 | - |
| 56 | 50.0 | 75 | 25 | 24309 | - |

Polypropylene Betaflex 1

- Designed for applications where resistance to constant flexing and vibration is essential
- Excellent flexibility
- Zero Halogen
- Sizes 16mm to 56mm OD
- Standard colours: black and grey

Material

Polypropylene. Zero Halogen.

Standard Colours

Grey and black.

Service Temperature

-25°C to +90°C.

Performance

BS EN 50086

Chemical Resistance

Diesel, detergent, inorganic acids, alkalis, oils.

| Size OD mm | Size ID mm | Minimum Bend Radius mm | Packed m | ORDER CODE |
|------------|------------|------------------------|----------|------------|
| 16 | 12.2 | 20 | 50 | 24402 |
| 20 | 15.4 | 25 | 50 | 24403 |
| 25 | 20.1 | 25 | 50 | 24404 |
| 32 | 26.0 | 35 | 25 | 24405 |

PVDF Betafl ex 1

- Ideal where high operating temperatures are required – up to 140°C
- Self extinguishing, UL94 V-O rated material
- Designed to meet demanding military and industrial applications
- Sizes 8mm to 56mm OD
- Standard colours: black and red

Material

Polyvinylidene Fluoride.

Standard Colours

Black and red.

UV Resistance

Excellent.

Service Temperature

-40°C to +140°C.

Performance

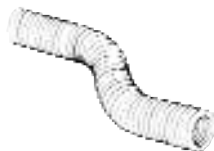
BS EN 50086

Flammability

UL94 V-O rated material. LOI 44% O₂.

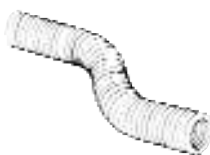
Chemical Resistance

Diesel, detergent, white spirit, acids, aliphatic and aromatic hydrocarbon, inorganic and organic acids, halogenated solvents.



| Size OD mm | Size ID mm | Minimum Bend Radius mm | Packed m | ORDER CODE | ORDER CODE |
|------------|------------|------------------------|----------|------------|------------|
| | | | | Red | Black |
| 8 | 5.5 | 20 | 50 | 246108 | 246008 |
| 10 | 7.3 | 10 | 50 | 24610 | 24600 |
| 12 | 9.0 | 10 | 50 | 24611 | 24601 |
| 16 | 12.5 | 20 | 30 | 24612 | 24602 |
| 20 | 15.5 | 25 | 30 | 24613 | 24603 |
| 25 | 20.3 | 25 | 30 | 24614 | 24604 |
| 32 | 26.0 | 35 | 30 | 24615 | 24605 |

Larger sizes available on request.



| Size OD mm | Size ID mm | Minimum Bend Radius mm | Packed m | ORDER CODE |
|------------|------------|------------------------|----------|------------|
| 12 | 8.9 | 10 | 50 | 24201 |
| 16 | 12.2 | 20 | 50 | 24202 |
| 20 | 15.4 | 25 | 50 | 24203 |
| 25 | 20.1 | 25 | 50 | 24204 |
| 32 | 26.0 | 35 | 25 | 24205 |

PVC Betafl ex 1

- Excellent lightweight economical conduit, suitable for a variety of applications
- Sizes 16mm to 32mm OD
- Available in white

Material

Polyvinyl Chloride.

Standard Colour

White.

Service Temperature

-15°C to +60°C.

Performance

BS EN 50086

Chemical Resistance

Diesel, detergent, white spirit, mineral oils, inorganic solvents.

FRHDPE Betafl ex 1

- Ideal for sub-zero applications – down to -50°C
- Flame retarded
- Sizes 12mm to 32mm OD
- Standard colour: white

Material

Flame Retarded High Density Polyethylene

Standard Colour

White.

Service Temperature

-50°C to +55°C.

Performance

BS EN 50086

Chemical Resistance

Diesel, petrol, fuels, detergent, white spirit, inorganic salts, oils.

Betafl ex Adaptors

- Easy to fit two-piece adaptor
- Can be fitted with sealing washers and used with metric threaded boxes or with lock rings. PG threads also available
- Self extinguishing nylon, UL94 V-O rated material
- Zero Halogen
- Available in black, grey or white

Material

Flame retarded nylon.

Service Temperature

-50°C to +55°C.

Standard Colours

Black, grey and white.

Flammability

UL94 V-O rated material.

| Conduit Size OD mm | Thread Size | Packed | ORDER CODE | ORDER CODE | ORDER CODE |
|--------------------|-------------------|--------|------------|------------|------------|
| | | | Black | Grey | White |
| 16 | M16 x 1.5 | 50 | 24212 | 24312 | 24412 |
| | M20 x 1.5 | 10 | 24272 | - | - |
| | PG11 | 50 | - | 24532 | - |
| 20 | M20 x 1.5 PG16 | 50 | 24213 | 24313 | 24413 |
| | | 50 | - | 24533 | - |
| 25 | M25 x 1.5 PG21 | 50 | 24214 | 24314 | 24414 |
| | | 50 | - | 24534 | - |
| 32 | M32 x 1.5 PG29 | 10 | 24215 | 24315 | 24415 |
| | | 25 | - | 24536 | - |
| 43 | PG36 | 1 | - | 24537 | - |
| 56 | PG48 | 1 | - | 24539 | - |

Note: PG thread size includes lock-ring.



Betafl ex Elbows

- Swept bend for ease of wiring, gives neat right-angled junctions with threaded or unthreaded components
- Self extinguishing nylon, UL94 V-O rated material
- Zero Halogen
- Available in black, grey or white

Material

Flame retarded nylon.

Service Temperature

-50°C to +55°C.

Standard Colours

Black, grey and white.

Flammability

UL94 V-O rated material.

| Conduit Size OD mm | Thread Size | Packed | ORDER CODE | ORDER CODE | ORDER CODE |
|--------------------|-------------|--------|------------|------------|------------|
| | | | Black | Grey | White |
| 16 | M16 x 1.5 | 10 | 24222 | 24322 | 24422 |
| 20 | M20 x 1.5 | 10 | 24223 | 24323 | 24423 |
| 25 | M25 x 1.5 | 10 | 24224 | 24324 | 24424 |
| 32 | M32 x 1.5 | 5 | 24225 | 24325 | 24425 |



Betafl ex T-pieces

- Two-piece design enables lay-in wiring
- When used with a reducer kit provides step-down options for one or two exits
- Self extinguishing nylon, UL94 V-O rated material
- Zero Halogen
- Available in black or grey

Material

Flame retarded nylon.

Standard Colours

Black and grey.

Service Temperature

-50°C to +55°C.

Flammability

UL94 V-O rated material.

| Conduit Size OD mm | Thread Size | Packed | ORDER CODE | ORDER CODE |
|--------------------|-------------|--------|------------|------------|
| | | | Black | Grey |
| 16 | - | 5 | 24242 | 24342 |
| 20 | - | 5 | 24243 | 24343 |
| 25 | - | 5 | 24244 | 24344 |
| 32 | - | 2 | 24245 | 24345 |



| Conduit Size mm | Packed | ORDER CODE Black | ORDER CODE Grey | ORDER CODE LFH Black Nylon |
|-----------------|--------|------------------|-----------------|----------------------------|
| 16 | 20 | 24262 | 24362 | 24562 |
| 20 | 20 | 24263 | 24363 | 24563 |
| 25 | 20 | 24264 | 24364 | 24564 |
| 32 | 10 | 24265 | 24365 | 24565 |

Lock Rings for Adaptors and Elbows

- Limited Fire Hazard
- Self extinguishing nylon
- UL94 V-O rated material
- Zero Halogen
- Available in black, grey or white



Material

Flame retarded nylon.

Standard Colours

Black, grey and white.

Service Temperature

-50°C to +55°C.

Flammability

UL94 V-O rated material.



| Conduit Size OD mm | Thread Size | Packed | ORDER CODE Black | ORDER CODE Grey | ORDER CODE White |
|--------------------|-------------|--------|------------------|-----------------|------------------|
| 16 | M16 x 1.5 | 100 | 24232 | 24332 | 24432 |
| 20 | M20 x 1.5 | 100 | 24233 | 24333 | 24433 |
| 25 | M25 x 1.5 | 100 | 24234 | 24334 | 24434 |
| 32 | M32 x 1.5 | 50 | 24235 | 24335 | 24435 |

Saddles

- Provides rigid mounting with two screws
- Standard product available in grey PVC
- Limited Fire Hazard variant is manufactured in black flame retarded nylon



Standard Material

PVC.

Standard Colour

Grey.

Service Temperature

-25°C to +50°C.

Limited Fire Hazard Material

Flame retarded nylon.

Standard Colour

Black.

Service Temperature

-10°C to +120°C.

Flammability

UL94 V-O rated material.



| Conduit Size mm | Packed | ORDER CODE Grey | ORDER CODE LFH Black Nylon |
|-----------------|--------|-----------------|----------------------------|
| 16 | 100 | 24522 | 24552 |
| 20 | 100 | 24523 | 24553 |
| 25 | 100 | 24524 | 24554 |

Conduit Clips

- Single point fixing
- Snap lock action allows rapid mounting
- Standard product is available in a choice of black or grey polypropylene

Standard Material

Polypropylene.

Standard Colours

Black and grey.

Service Temperature

-25°C to +90°C.

Limited Fire Hazard Material

Flame retarded nylon coloured black.

Service Temperature

-10°C to +120°C.

Sealing Washers

- Tough neoprene sealing washers
- Aids sealing for arduous conditions
- Available in a variety of sizes, for use with adaptors, elbows and T-pieces

Material

Neoprene.

| Conduit Size mm | Packed | ORDER CODE |
|-----------------|--------|------------|
| 16 | 50 | 24512 |
| 20 | 50 | 24513 |
| 25 | 50 | 24514 |
| 32 | 10 | 24515 |

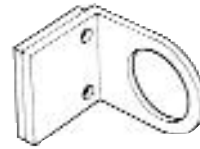
Betaflex Reducer Kits

- Enables elbows and T-pieces to accommodate smaller conduit sizes
- Limited Fire Hazard
- Nylon material
- Fits 20-32mm unreduced diameters

Material

Flame retarded nylon.

| Conduit OD Reduction mm | Packed | ORDER CODE |
|-------------------------|--------|------------|
| 20 to 16 | 10 | 24252 |
| 25 to 20 | 10 | 24253 |
| 32 to 25 | 4 | 24254 |



| Bracket Nominal ID mm | Packed | ORDER CODE |
|-----------------------|--------|------------|
| 25 | 10 | 1338 |
| 32 | 10 | 1339 |

Cubicle Door Hinge Assembly Brackets

- Limited Fire Hazard
- Enables effective routing from a cubicle to the door
- Screw or self adhesive fixing
- Robust construction

Material

Stove finished aluminium.

Service Temperature

Exceeds +120°C (max. 45°C with self adhesive pad).

Betasleeve

- Braided sleeving is ideal for containing cable bundles, giving protection against abrasion, vibration and mechanical damage
- Standard braided sleeving is manufactured from polyester in a choice of black or grey
- LFH braided sleeving (CXLP) is treated glass fibre providing operating temperatures in excess of 300°C, available in black
- The standard and Limited Fire Hazard ranges are both Zero Halogen
- Wide range of sizes available

| Nominal Diameter mm | Cable Size min-max mm ² | Coil Length m | ORDER CODE | ORDER CODE |
|---------------------|------------------------------------|---------------|------------|------------|
| | | | Black | Grey |
| 6 | 4.0-9.0 | 100 | 16200600 | 16210600 |
| 10 | 6.0-14.0 | 100 | 16201000 | 16211000 |
| 15 | 10.0-20.0 | 50 | 16201500 | 16211500 |
| 25 | 16.0-31.0 | 25 | 16202500 | 16212500 |

Other sizes available to special order.



LFH Braided Sleeving (CXLP)

Sizing

Nominal Inner Diameter (mm) 4.5, 5, 6, 8, 10, 12, 15, 19, 22, 25, 30.

Lengths

Available in cut lengths: 1.8 metres maximum.

Material

Silicone coated glass fibre. Zero Halogen.

Standard Colour

Black.

Service Temperature

-65°C to +300°C plus.

Polyester Braided Sleeving

Material

Polyester. Zero Halogen.

Standard Colours

Black and grey.

Service Temperature

-50°C to +150°C.

Strength

Individual strands – 25 Newtons.

Flammability

UL94 V-2 rated material.

Chemical Resistance

Good resistance to acids and solvents.



| Nominal Size OD mm | Nominal Wall Thickness mm Polyethylene | Nominal Wall Thickness Nylon | Packed m | ORDER CODE LDPE Black | ORDER CODE LDPE Natural | ORDER CODE FR LDPE White | ORDER CODE Nylon 12 Natural |
|--------------------|--|------------------------------|----------|-----------------------|-------------------------|--------------------------|-----------------------------|
| 3 | 0.7 | 0.4 | 50 | 0200 | 0201 | 0202 | 0203 |
| 6 | 1.25 | 0.6 | 50 | 0204 | 0205 | 0206 | 0207 |
| 12 | 1.75 | 0.8 | 25 | 0208 | 0209 | 0210 | 0211 |



Spiroband

- Easy to apply wrapping with effective wiring-out
- Protects tubes and cables from abrasion
- Standard range available in a variety to materials
- Available in a range of colours
- Limited Fire Hazard range provides a Zero Halogen, UL94 V-O rated and low smoke material with operating temperatures of up to 120°C

Material

Low density polyethylene (LDPE).

Standard Colours

Black and natural.

Service Temperature

-50°C to +50°C.

Material

Nylon 12.

Standard Colour

Natural.

Service Temperature

-15°C to +100°C (static applications).
-15°C to +80°C (dynamic applications).

Material

LDPE – Flame retarded.

Standard Colour

White.

Service Temperature

-50°C to +50°C.

Flammability

UL94 V-2 rated material. LOI 23% O₂.

LFH Spiroband

Material

Nylon.

Standard Colour

Grey.

Service Temperature

-10°C to +120°C.

Flammability

UL94 V-0 rated material. LOI 37% O₂.



| Nominal Size OD mm | Nominal Wall Thickness mm (Nom) | Packed m | ORDER CODE LFH |
|--------------------|---------------------------------|----------|----------------|
| 3 | 0.4 | 50 | 0240 |
| 6 | 0.6 | 50 | 0241 |
| 12 | 0.7 | 25 | 0242 |

Betashrink MG – Military Grade

- Military grade heat shrink sleeving
- Meets a number of military specifications and approvals
- Available in cut lengths of 1.2m
- Standard colours: black, clear, red, blue and yellow
- 2:1 shrink ratio

Material

Irradiated polyolefin.

Standard Colours

Black, clear, red, blue and yellow.

Service Temperature

-55°C to +135°C.

Minimum Shrink Temperature

90°C.

Flammability

UL – 224 VW-1 except clear.

Approvals

MIL-DTL-23053/5 class 1 and 3.

| Int. Diameter Min. Before Shrinkage mm | Int. Diameter Max. After Shrinkage mm | Wall Thickness After Shrinkage mm (Nom) | Pack Size | ORDER CODES | | | | |
|--|---------------------------------------|---|-----------|-------------|--------|-------|------|------|
| | | | | Black | Yellow | Clear | Red | Blue |
| 1.2 | 0.6 | 0.40 | 50 x 1.2m | 4610 | 4614 | 4617 | – | – |
| 1.6 | 0.8 | 0.40 | 50 x 1.2m | 4620 | 4624 | 4627 | – | – |
| 2.4 | 1.2 | 0.50 | 50 x 1.2m | 4630 | 4634 | 4637 | – | – |
| 3.2 | 1.6 | 0.50 | 50 x 1.2m | 4640 | 4644 | 4647 | – | – |
| 4.8 | 2.4 | 0.50 | 50 x 1.2m | 4650 | 4654 | 4657 | – | – |
| 6.4 | 3.2 | 0.60 | 25 x 1.2m | 4660 | 4664 | 4667 | – | – |
| 9.5 | 4.8 | 0.60 | 25 x 1.2m | 4670 | 4674 | 4677 | 4672 | 4676 |
| 12.7 | 6.4 | 0.60 | 25 x 1.2m | 4680 | 4684 | 4687 | 4682 | 4686 |
| 19.1 | 9.5 | 0.75 | 25 x 1.2m | 4690 | 4694 | 4697 | 4692 | 4696 |
| 25.4 | 12.7 | 0.90 | 15 x 1.2m | 4700 | 4704 | 4707 | 4702 | 4706 |
| 38.1 | 19.1 | 1.00 | 10 x 1.2m | 4710 | 4714 | 4717 | 4712 | 4716 |
| 50.8 | 25.4 | 1.10 | 5 x 1.2m | 4720 | 4724 | 4727 | – | – |



| Int. Diameter Min. Before Shrinkage mm | Int. Diameter Max. After Shrinkage mm | Wall Thickness After Shrinkage mm (Nom) | Nominal Length m | ORDER CODE Black |
|--|---------------------------------------|---|------------------|------------------|
| 12 | 3 | 2.0 | 1.2 | 56000001 |
| 20 | 6 | 2.2 | 1.2 | 56000003 |
| 30 | 10 | 2.3 | 1.2 | 56000005 |
| 34 | 10 | 2.3 | 1.2 | 56000009 |
| 40 | 12 | 2.4 | 1.2 | 56000010 |
| 45 | 13 | 2.4 | 1.2 | 56000011 |
| 54 | 18 | 2.4 | 1.2 | 56000013 |
| 70 | 25 | 2.4 | 1.2 | 56000015 |
| 93 | 30 | 2.7 | 1.2 | 56000023 |
| 122 | 40 | 2.7 | 1.2 | 56000028 |
| 180* | 60 | 3.1 | 1.2 | 56060067 |

*Only available uncoated.
Larger sizes also available without inner sealant liner to special order.



Betashrink DW – Dual Wall

- Self-sealing, semi-rigid polyolefin sleeve
- High resistance to abrasion, chemicals and corrosion
- Supplied in 1.2m lengths, or cut to length
- Standard colour: black
- 3:1 shrink ratio

Material

Self-sealing, semi-rigid polyolefin.

Standard Colour

Black.

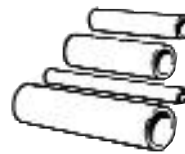
Service Temperature

-55°C to +125°C.

Minimum Shrink Temperature

120°C.

| Int. Diameter Min. Before Shrinkage mm | Int. Diameter Max. After Shrinkage mm | Wall Thickness After Shrinkage mm (Nom) | Pack Size | ORDER CODE |
|---|--|--|--------------|------------|
| 4.8 | 2.4 | 0.50 | 5 x 1.2m | 56090007 |
| 6.4 | 3.2 | 0.60 | 5 x 1.2m | 56090001 |
| 9.5 | 4.8 | 0.60 | 5 x 1.2m | 56090006 |
| 12.7 | 6.4 | 0.60 | 5 x 1.0m | 56090002 |
| 19.1 | 9.5 | 0.75 | 5 x 1.0m | 56090005 |
| 25.4 | 12.7 | 0.90 | 5 x 0.5m | 56090003 |
| 38.1 | 19.1 | 1.00 | 5 x 0.25m | 56090004 |



Betashrink HSP – Mixed Colours Pack

- Standard grade polyolefin
- Convenient size packs for short length applications
- Range of colours in each pack
- 2:1 shrink ratio

Material

Irradiated polyolefin.

Standard Colours

Each pack contains 1 length of each of the following colours: red, blue, yellow, black and clear.

Service Temperature

-55°C to +125°C.

Minimum Shrink Temperature

120°C.

Hot Air Gun

- Light, easy to use
- Available as 110V or 240V
- Additional nozzles available



| Description | ORDER CODE |
|--------------------|------------|
| Hot Air Gun (240V) | 56130006 |
| Hot Air Gun (110V) | 56130001 |
| Reducer Nozzle | 56130003 |
| Reflector Nozzle | 56130004 |
| Fantail Nozzle | 56130002 |

| Int. Diameter Min. Before Shrinkage mm | Int. Diameter Max. After Shrinkage mm | Wall Thickness After Shrinkage mm (Nom) | Reel Length m | ORDER CODES | | | | |
|---|--|---|------------------|-------------|----------------------------|----------|----------|----------|
| | | | | Black | White | Red | Blue | Yellow |
| 1.2 | 0.6 | 0.40 | 200 | 56060062 | 56060063 | 56060064 | 56060065 | 56060066 |
| 1.6 | 0.8 | 0.40 | 200 | 56060050 | 56060043 | 56060051 | 56060044 | 56060041 |
| 2.4 | 1.2 | 0.50 | 150 | 56060001 | 56060057 | 56060019 | 56060010 | 56060059 |
| 3.2 | 1.6 | 0.50 | 150 | 56060002 | 56060058 | 56060020 | 56060011 | 56060033 |
| 4.8 | 2.4 | 0.50 | 60 | 56060003 | 56060028 | 56060021 | 56060012 | 56060034 |
| 6.4 | 3.2 | 0.60 | 60 | 56060004 | 56060053 | 56060022 | 56060013 | 56060035 |
| 9.5 | 4.8 | 0.60 | 60 | 56060005 | 56060029 | 56060023 | 56060014 | 56060036 |
| 12.7 | 6.4 | 0.60 | 60 | 56060006 | 56060030 | 56060024 | 56060015 | 56060037 |
| 19.1 | 9.5 | 0.75 | 75 | 56060007 | 56060031 | 56060025 | 56060016 | 56060038 |
| 25.4 | 12.7 | 0.90 | 30 | 56060008 | 56060032 | 56060026 | 56060017 | 56060039 |
| 38.1 | 19.1 | 1.00 | 30 | 56060009 | 56060060 | 56060027 | 56060018 | 56060040 |
| 50.8 | 25.4 | 1.10 | 30 | 56060049 | Available to special order | | | |
| 76.2 | 38.1 | 1.25 | 15 | 56060056 | | | | |
| 101.6 | 50.8 | 1.40 | 15 | 56060061 | | | | |



Betashrink SG – Standard Grade

- General purpose heat shrink sleeving
- Self extinguishing and flame retarded material
- Available on reels or cut lengths
- Standard colours: black, white, red, blue and yellow
- 2:1 shrink ratio

Material

Flame retarded irradiated polyolefin.

Standard Colours

Black, white, red, blue and yellow.

Service Temperature

-55°C to +125°C.

Minimum Shrink Temperature

120°C.

LFH Betashrink ZH, ZHTW

- Limited Fire Hazard
- Ideal for use where human life or electronic components are at risk
- Choice of thin and thick wall sleeving
- Standard colour: black
- Available in packs of 1.2m lengths
- Meets a number of specifications
- 2:1 shrink ratio

Material

Flame retarded Zero Halogen polyolefin.

Standard Colour

Black.

Service Temperature

-55°C to +125°C.

Minimum Shrink Temperature

120°C.

Approvals

DEF STAN 59-97, Issue 3, Type 8 (Thick wall only).
BS3G198 Part 3, Type 15 (Thin wall only).

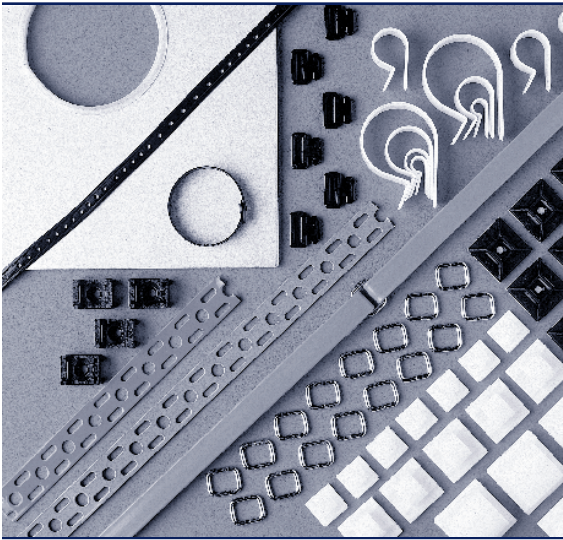


LFH Betashrink ZH (Thick wall)

| Int. Diameter Min. Before Shrinkage mm | Int. Diameter Max. After Shrinkage mm | Wall Thickness After Shrinkage mm (Nom) | Pack Size | ORDER CODE Black |
|---|--|--|--------------|---------------------|
| 3.0 | 1.5 | 0.7 | 25 x 1.2m | 4751 |
| 5.0 | 2.5 | 0.9 | 25 x 1.2m | 4752 |
| 8.0 | 4.0 | 0.9 | 25 x 1.2m | 4753 |
| 12.7 | 6.4 | 1.2 | 10 x 1.2m | 4754 |
| 18.0 | 9.0 | 1.4 | 10 x 1.2m | 4755 |
| 24.0 | 12.0 | 1.8 | 10 x 1.2m | 4756 |
| 40.0 | 20.0 | 1.8 | 5 x 1.2m | 4757 |
| 50.0 | 25.0 | 1.8 | 5 x 1.2m | 4758 |
| 60.0 | 30.0 | 1.8 | 5 x 1.2m | 4759 |

LFH Betashrink ZHTW (Thin wall)

| Int. Diameter Min. Before Shrinkage mm | Int. Diameter Max. After Shrinkage mm | Wall Thickness After Shrinkage mm (Nom) | Pack Size | ORDER CODE Black |
|---|--|--|--------------|---------------------|
| 3.2 | 1.6 | 0.50 | 50 x 1.2m | 4741 |
| 4.8 | 2.4 | 0.50 | 25 x 1.2m | 4742 |
| 6.4 | 3.2 | 0.65 | 25 x 1.2m | 4743 |
| 9.5 | 4.8 | 0.65 | 25 x 1.2m | 4744 |
| 12.7 | 6.4 | 0.65 | 15 x 1.2m | 4745 |
| 19.0 | 9.5 | 0.75 | 15 x 1.2m | 4746 |
| 25.4 | 12.7 | 0.90 | 10 x 1.2m | 4747 |
| 38.1 | 19.0 | 1.05 | 10 x 1.2m | 4748 |
| 50.8 | 25.4 | 1.15 | 5 x 1.2m | 4749 |



A range of cable ties and fixing products in a variety of materials for use in both demanding environments and general applications.

| Size mm (W x L) Nominal | Tensile Strength (Min.) Kg | Max. Bundle Diameter mm | Min. Bundle Diameter mm | Packed | ORDER CODE Black Nylon 6.6 | ORDER CODE Natural Nylon 6.6 | ORDER CODE LFH Grey Nylon 6 |
|-------------------------------|----------------------------------|-------------------------------|-------------------------------|----------|----------------------------------|------------------------------------|-----------------------------------|
| 2.4 x 80 | 8* | 15 | 2.50 | 100/1000 | - | 1070 | - |
| 2.5 x 100 | 8* | 23 | 3.25 | 100/1000 | 1060 | 1051 | 1780 |
| 2.5 x 120 | 8* | 30 | 2.75 | 100/1000 | 1081 | 1071 | - |
| 4 x 140 | 23* | 32 | 6.60 | 100/1000 | 1062 | 1053 | 1781 |
| 2.5 x 200 | 8* | 50 | 2.75 | 100/1000 | 1082 | 1072 | - |
| 4 x 200 | 23* | 51 | 6.60 | 100/1000 | 1063 | 1054 | 1782 |
| 4 x 275 | 23* | 75 | 6.60 | 100 | 1064 | 1055 | 1783 |
| 5 x 360 | 23* | 100 | 7.00 | 100 | 1061 | 1052 | 1784 |
| 8 x 240 | 54* | 63 | 8.30 | 100 | 1067 | 1056 | - |
| 8 x 300 | 54* | 82 | 8.30 | 100 | 1068 | 1057 | 1786 |
| 8 x 375 | 54* | 106 | 10.30 | 100 | 1069 | 1058 | 1787 |
| 9 x 533 | 79 | 140 | 15.20 | 100 | 1083 | 1073 | - |
| 9 x 710 | 79 | 190 | 15.20 | 100 | 1084 | 1074 | - |

* According to AS23190E, Critchley Nylon 6.6 cable ties exceed this specification.

BETAFIX

- LFH Nylon 6/Nylon 6.6 Nylon 12
- Stainless Steel BetaTies
- Nylon Coated BetaTies
- Clips
- Betastrip

LFH Nylon 6 Cable Ties



- Limited Fire Hazard
- Self extinguishing, UL94 V-O rated material
- Zero Halogen
- High tensile strength
- Multi-toothed ratchet for strong locking
- Good resistance to oils and solvents
- Standard colour: grey

Material

LFH Nylon 6. Nylon 6.6.

Standard Colours

LFH (Grey only). Black and natural.

Service Temperature

-25°C to +80°C.

Smoke Emission

(LFH type only) Ao 0.02m²/g (BS6853 B.5.1).

Flammability

(LFH type only) LOI 32% O₂ (BS2782 Pt 1).
UL94 V-O rated material.

Chemical Resistance

Hydraulic fluids, oils, engine fuels, coolants, aliphatic and aromatic hydrocarbons, lubricants.

Nylon 6.6 Cable Ties

- High tensile strength
- Multi-toothed ratchet for strong locking
- Good resistance to oils and solvents
- Standard colours: black and natural



Nylon 12 Cable Ties

- UV stabilised – suitable for outdoor use
- High tensile strength
- Multi-toothed ratchet for strong locking
- Standard colour: black

Material

Nylon 12.

Standard Colour

Black.

Service Temperature

-40°C to +65°C.

UV Resistance

Excellent.

| Size mm (W X L) Nominal | Maximum Bundle Diameter mm | Packed | ORDER CODE Black |
|----------------------------|-------------------------------|--------|---------------------|
| 4 x 140 | 32 | 100 | 1790 |
| 4 x 200 | 51 | 100 | 1791 |
| 4 x 275 | 75 | 100 | 1792 |
| 8 x 240 | 63 | 100 | 1794 |
| 8 x 300 | 82 | 100 | 1795 |
| 8 x 375 | 106 | 100 | 1796 |

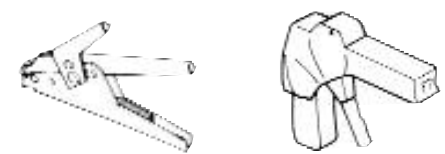


Flammability

LOI 23% O₂.

Chemical Resistance

Dilute organic acids, oils, hydraulic fluids, inorganic salts, aliphatic and aromatic hydrocarbons.



Cable Tie Tensioning Tools

- Fast binding
- Automatic cut available
- Robust construction
- Two sizes

Adjustable Tensioning Tool – Automatic Cut

| Maximum Tie Width mm | Packed | ORDER CODE |
|----------------------|--------|------------|
| 5.0 | 1 | 1846 |

Recommended Tension Settings Tie width 2.4mm: -1 or +2. Tie width 4.0mm: 3. Tie width 5mm: 4.

Tensioning Tool

| Maximum Tie Width mm | Packed | ORDER CODE |
|----------------------|--------|------------|
| 8.0 | 1 | 1859 |

Light Duty Stainless Steel BetaTies

- Limited Fire Hazard
- 316 stainless steel
- One-piece construction
- BetaTie puller available
- Suitable for hostile environments



Material

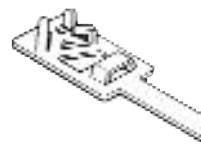
316 Stainless steel.

Standard Colour

Metallic.

| Strap Length inches | Strap Length mm | Strap Width inches | Strap Width mm | Loop Tensile # Strength (N) Tamped | Maximum Bundle Diameter | | Packed | ORDER CODE |
|------------------------|--------------------|-----------------------|-------------------|--|----------------------------|----|--------|---------------|
| | | | | | inches | mm | | |
| 5.5 | 140 | 0.2 | 5.0 | 1200 | 1.37 | 35 | 250 | 1819 |

Minimum Values.



| Strap Length‡ inches | Strap Length‡ mm | Loop Tensile # Strength (N) | Loop Tensile # Strength (N) | Maximum Bundle Diameter inches | Maximum Bundle Diameter mm | Colour* | Packed | ORDER CODE | ORDER CODE |
|-------------------------|---------------------|--------------------------------|--------------------------------|---|-------------------------------------|---------|--------|-----------------------|-------------------------|
| | | Tamped 6mm Strap Width | Tamped 9.5mm Strap Width | | | | | 6mm Strap Width | 9.5mm Strap Width |
| 9 | 229 | 1000 | 1550 | 2.3 | 58 | Black | 100 | 1820 | 1830 |
| 12 | 305 | 1050 | 1450 | 3.3 | 84 | Black | 100 | 1821 | 1831 |
| 18 | 457 | 1250 | 1475 | 5.2 | 132 | Black | 100 | 1822 | 1832 |
| 24 | 610 | - | 1500 | 7.1 | 180 | Black | 50 | - | 1833 |

*Other colours are available subject to quotation. ‡Length excluding buckle. #Minimum values.

Stainless Steel BetaTies are covered by the following patents

2188363 B – British 170862 – Norway

Nylon Coated Stainless Steel BetaTies

- Limited Fire Hazard
- 316 stainless steel, with a Zero Halogen nylon 11 coating
- One-piece construction
- BetaTie puller available
- DNV and Lloyds Register approved



Material

Nylon 11 coated 316 Stainless steel.

Standard Colour

Black

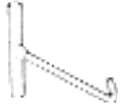
Service Temperature

Up to +80°C.

| Description | Packed | ORDER CODE |
|---------------------|--------|------------|
| Puller | 1 | 1843 |
| Hand ratchet puller | 1 | 1844 |

BetaTie Puller

- Provides fast fixing of BetaTies
- Two types available



Cable Tie Base

- Quick and easy to use
- Strong self adhesive fixing
- Screw fixing facility
- Suitable for either cable ties or Betastrip

Material

Nylon 6.6 with adhesive tape.

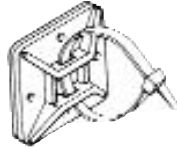
Standard Colour

Black and natural.

Service Temperature

Max. +50°C (+75°C short term).

| Base Dimensions mm | Slot Width mm | Packed | ORDER CODE Black | ORDER CODE Natural |
|--------------------|---------------|--------|------------------|--------------------|
| 25 x 25 | 8.5 | 100 | 1849 | 1848 |
| 18 x 18 | 4.5 | 100 | 1877 | 1876 |



Cable Tray Cleat

- Cable tie anchoring device for use with slotted cable tray
- Suitable for use with cable ties or 4.0mm, 8.0mm and 12.0 Betastrip

Material

Nylon 6.6 black.

Standard Colour

Black.

Service Temperature

-20°C to +80°C.



| Size Width mm | Packed | ORDER CODE |
|---------------|--------|------------|
| 12 | 100 | 0401 |

Cradle

- Suitable for fixing cable ties to panels and walls

Material

Nylon 6.6.

Standard Colour

Black.

Service Temperature

-25°C to +80°C.

| Fixing Hole Diameter mm | Slot Width mm | Packed | ORDER CODE |
|-------------------------|---------------|--------|------------|
| 5.6 | 9.0 | 100 | 1101 |

| Material | Width mm | Packed | ORDER CODE |
|----------|----------|--------|------------|
| PVC | 8 | 25m | 0390 |
| PVC | 12 | 25m | 0392 |
| Nylon | 8 | 30m | 0394 |
| Nylon | 12 | 30m | 0395 |
| Studs | - | 1000 | 0393 |

Cable Strapping

- Suitable for binding cable bundles
- Available in nylon or PVC

Material

PVC. Nylon 6.6.

Service Temperature

-15°C to +50°C - PVC.
-50°C to +80°C - Nylon.



Betastrip Buckle

- Available in nylon or zinc plated steel

Material

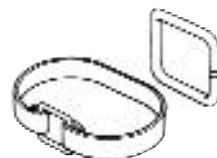
Nylon 6.6.

Standard Colour

Black.

Service Temperature

-25°C to +80°C.



| Material | Width mm | Packed | ORDER CODE |
|----------|----------|--------|------------|
| Nylon | 4 | 100 | 0473 |
| Steel | 8 | 100 | 0425 |
| Steel | 12 | 100 | 0426 |

Adhesive Cable Clips

- Strong self adhesive fixing

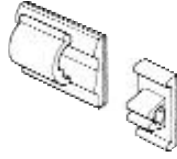
Material

Nylon 6.6 with adhesive tape.

Service Temperature

-20°C to +80°C.

| Cable Diameter mm | Base Dimensions (W x H) mm | Packed | ORDER CODE |
|-------------------|----------------------------|--------|------------|
| 4 | 15.9 x 15.9 | 100 | 1426 |
| 8 | 25.4 x 25.4 | 100 | 1427 |
| 14 | 31.8 x 31.8 | 50 | 1850 |



| Size | Diameter mm | Width mm | Screw Hole Diameter mm | Packed | ORDER CODE |
|------|-------------|----------|------------------------|--------|------------|
| 1 | 3.0 | 9.5 | 5.2 | 100 | 1860 |
| 2 | 6.0 | 9.5 | 5.2 | 100 | 1861 |
| 3 | 7.5 | 9.5 | 5.2 | 100 | 1862 |
| 4 | 9.0 | 9.5 | 5.2 | 100 | 1863 |
| 5 | 11.0 | 9.5 | 5.2 | 100 | 1864 |
| 6 | 12.5 | 9.5 | 5.2 | 100 | 1865 |
| 7 | 16.0 | 12.7 | 5.2 | 50 | 1866 |
| 8 | 20.0 | 12.7 | 5.2 | 50 | 1867 |
| 9 | 25.0 | 12.7 | 5.2 | 50 | 1868 |
| 10 | 34.0 | 12.7 | 5.2 | 50 | 1869 |

P-Clips

- Secure fixing device for looms and conduits
- Screw fixing
- 10 sizes from 3.0mm to 34.0mm diameter

Material

Nylon 6.6.

Standard Colour

Black.

Service Temperature

-20°C to +85°C.

Approvals

UL file no. E97707.



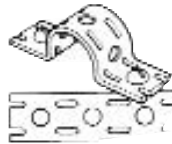
Perforated Betastrip

- Suitable for fixing cables and pipes to cable tray or other surfaces
- Pre-punched – no drilling required
- Polyester coated aluminium
- 125kg breaking load

Material

99% Aluminium strip with stoved polyester resin.

| Size | Width mm | Packed m | ORDER CODE Grey | ORDER CODE Orange |
|------|----------|----------|-----------------|-------------------|
| 19 | | 5 x 10 | 0413 | 0416 |



| Size | Width mm | Packed m | ORDER CODE Black | Packed m | ORDER CODE Orange |
|------|----------|----------|------------------|----------|-------------------|
| 4 | | 2 x 50 | 0404 | - | - |
| 8 | | 2 x 25 | 0411 | - | - |
| 12 | | 2 x 25 | 0412 | 2 x 2.5 | 0414 |
| 19 | | 50 x 2 | 0408 | 1 x 2 | 0415 |



Plain Betastrip

- Heavy duty, insulated strapping
- Corrosion resistant aluminium

Material

99% Aluminium strip PPVCcoated.

Service Temperature

-15°C to +50°C.

Grommet Strip

- Stops chafing on panel openings
- Suitable for plate thicknesses from 1.0mm to 6.5mm

Material

LDPE natural.

Service Temperature

-50°C to +50°C.



| Size | Plate Thickness mm | swg | Minimum Corner Radius mm | Minimum Aperture Diameter mm | Packed m | ORDER CODE |
|------|--------------------|----------|--------------------------|------------------------------|----------|------------|
| 2 | 1.0 - 1.1 | up to 18 | 4 | 22 | 25 | 0494 |
| 3 | 1.5 - 2.0 | 17 - 14 | 5 | 25 | 25 | 0495 |
| 4 | 2.5 - 3.3 | 13 - 10 | 6 | 30 | 25 | 0496 |
| 5 | 4.0 - 4.9 | - | 8 | 36 | 25 | 0497 |
| 6 | 4.5 - 6.5 | - | 8.5 | 45 | 25 | 0498 |

Selection Chart

| Marker Size | For Cable diameter mm | For Cable Size mm (886004) (886231) | Marker length mm | Reel | Packed Disc | Box | ORDER CODE |
|-------------|-----------------------|-------------------------------------|------------------|------|-------------|------|------------|
| 3 | 1.4 - 2.8 | 0.2 - 1.5 | 3 | 1000 | 500 | 1000 | 0761 |
| 5 | 2.8 - 5.0 | 1.5 - 4.0 | 3 | 1000 | 500 | 1000 | 0762 |
| 10 | 4.0 - 10.0 | 2.5 - 16.0 | 4 | 1000 | 150 | 500 | 0763 |
| 16 | 8.0 - 16.0 | 16.0 - 70.0 | 6 | - | - | 200 | 0764 |

European Colour Coding

| Number | Substrate Colour | European |
|--------|------------------|----------|
| 0 | Black | White |
| 1 | Brown | White |
| 2 | Red | White |
| 3 | Orange | Black |
| 4 | Yellow | Black |
| 5 | Green | White |
| 6 | Blue | White |
| 7 | Violet | White |
| 8 | Grey | Black |
| 9 | White | Black |

Permark™

Permark 316

- Pre-marked to customer requirements
- Customer defined kits for ease of installation
- Excellent chemical, abrasion, corrosion and weather resistance
- Excellent character legibility
- One-piece, 316 stainless steel construction
- Variety of fixing methods

Material

316 Stainless Steel.

Standard Colour

Metallic.

Service Temperature

-80°C to +500°C plus

UV Resistance

Excellent.

Abrasion Resistance

Excellent.

Chemical Resistance

Excellent resistance to: hydrocarbons, fuels, greases, oils, alcohols, inorganic salts and inorganic acids. For resistance to a specific chemical please contact Critchley.



| Description | Size (L x H) mm | Printable Area (L x H) mm | ORDER CODE |
|-----------------------------------|-----------------|---------------------------|------------|
| Pre-marked stainless steel marker | 95 x 12 | 50 x 10 | PM09512 |



BETAMARK®

V-Type™ Marker

- Chevron cut for alignment of marks
- 4 sizes cover cable diameters from 1.4 to 16mm
- Expanding gusset for ease of application
- European colour coding

Available Marks

A-Z, 0-9, +, -, /, phase, earth, blank, full stop.

Colour Options

Yellow or white body marked black: A-Z, 0-9 and symbols. Colour coded (European. Not size 16): 0-9.

Material

PPVC.

Service Temperature

-45°C to +70°C.

Chemical Resistance

Resistant to petrol, industrial diesel, 10% sodium chloride, cutting oil, gear oil, aircraft fuel and abrasion.

Packaging

Boxes, reels and pancake reels.

