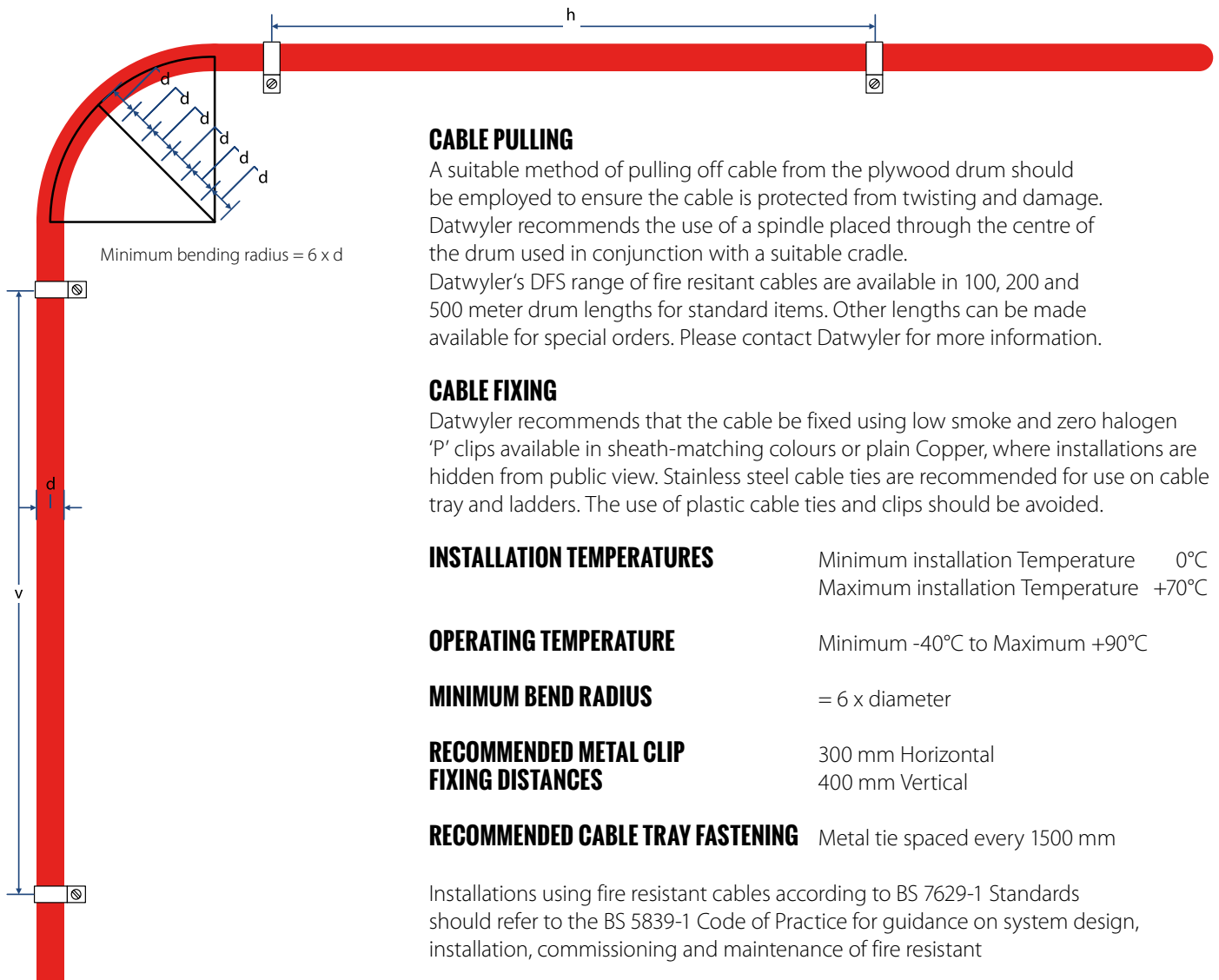


# INSTALLATION INSTRUCTIONS

## Standard, Enhanced and ME British Standard fire resistant cables

according to BS 7629-1 specifications, and BS 5839-1 Installation Guidelines.



### CABLE PULLING

A suitable method of pulling off cable from the plywood drum should be employed to ensure the cable is protected from twisting and damage. Datwyler recommends the use of a spindle placed through the centre of the drum used in conjunction with a suitable cradle. Datwyler's DFS range of fire resistant cables are available in 100, 200 and 500 meter drum lengths for standard items. Other lengths can be made available for special orders. Please contact Datwyler for more information.

### CABLE FIXING

Datwyler recommends that the cable be fixed using low smoke and zero halogen 'P' clips available in sheath-matching colours or plain Copper, where installations are hidden from public view. Stainless steel cable ties are recommended for use on cable tray and ladders. The use of plastic cable ties and clips should be avoided.

### INSTALLATION TEMPERATURES

Minimum installation Temperature  $0^{\circ}\text{C}$   
Maximum installation Temperature  $+70^{\circ}\text{C}$

### OPERATING TEMPERATURE

Minimum  $-40^{\circ}\text{C}$  to Maximum  $+90^{\circ}\text{C}$

### MINIMUM BEND RADIUS

$= 6 \times \text{diameter}$

### RECOMMENDED METAL CLIP FIXING DISTANCES

300 mm Horizontal  
400 mm Vertical

### RECOMMENDED CABLE TRAY FASTENING

Metal tie spaced every 1500 mm

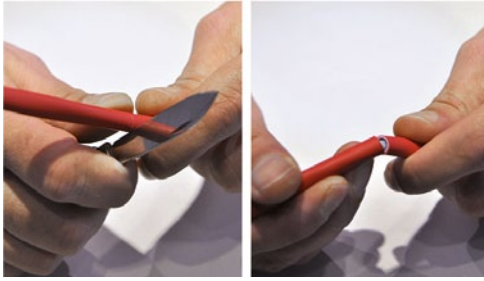
Installations using fire resistant cables according to BS 7629-1 Standards should refer to the BS 5839-1 Code of Practice for guidance on system design, installation, commissioning and maintenance of fire resistant

# INSTALLATION INSTRUCTIONS

## TERMINATION

Datwyler DFS range of Standard 60, Enhanced 120 and ME fire resistant cables employ a soft skin outer sheath for simple and fast stripping and termination whilst still providing necessary fire resistance.

This technology helps remove risks of accidental short circuits, and greatly improves installation time and lower costs.



## STEP 1

Make a continuous score around the outer sheath of the cable taking care not to damage the core insulations underneath. Careful bending of the sheath will separate the sheath from the cable core.



**DFS ME** Fire alarm cable 300/500 V



**DFS Standard 60** Fire alarm cable, 300/500 V, flex



**DFS Enhanced 120** Fire alarm cable 300/500 V

## STEP 2

Due to the soft skin technology of the core insulation material there is no need for further stripping. By pulling back the insulation it is possible to connect, release and allow the insulation to return to its original position. This leaves no bare copper wires.



## FINAL TERMINATION

The new Datwyler DFS range of fire resistant cables benefit from no longer having additional tapes to remove during installation, dramatically lowering installation time.

No protective ferrules are required with Datwyler DFS fire resistant cables. A suitable method of protecting the insulated cores should be employed within termination boxes.

Please ensure that insulated cores are not pinched, stressed or compressed which may damage the insulation material.