

## MONDRAGON

### 2-Wire and 4-Wire Test/Patch Cords

The QDF (Quick Connect Distribution Frame) family of products provides a fast, easy and reliable wire management system.

The QDF 2-wire and 4-wire test/patch cords are available for use with QDF-E termination magazines. They provide access to circuits for testing, monitoring, and temporary or permanent patching.

Their make-before break capability ensures that critical data will not be lost when monitoring circuits.

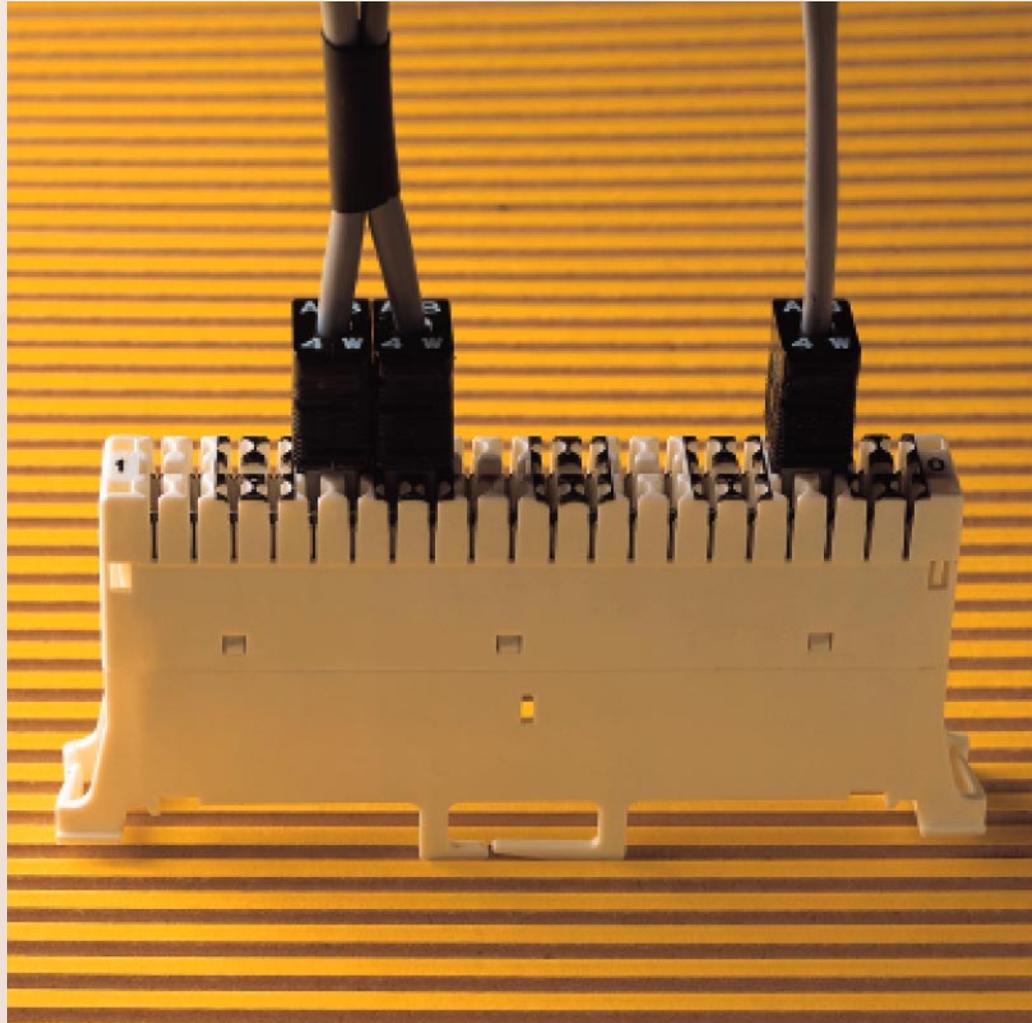
Both are available in a variety of configurations to accommodate all testing and patching applications.

The 2-wire cord can be used to bridge/tap (no circuit interruption) onto a 2-wire circuit which will allow passive monitoring of that circuit. It can also be configured to provide break access (circuit interruption) to the line pair (A<sub>1</sub>, B<sub>1</sub>) or equipment pair (A, B) for testing or patching.

The 4-wire cord provides break access (circuit interruption) to both the line and equipment side of the circuit.

Markings on the end of each plug identify correct polarity when plugged into a QDF-E access slot.

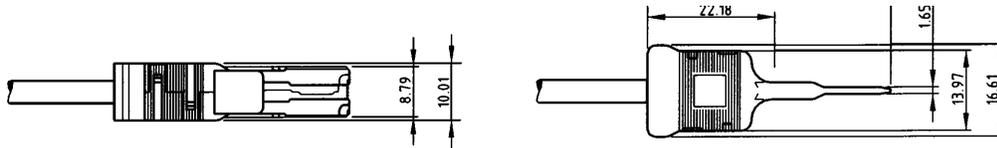
Test plugs are also available in 2-pair configurations for testing or patching 4-wire circuits.



QDF Test/Patch  
Cords

# QDF-2 and 4 Wire Patch Cords

## Dimensions



## Specifications

### Materials

Housing	Thermoplastic, UL 94 V0 rated (self-extinguishing)
Contact	High-strength phosphor bronze with corrosion-resistant plating
Cable	0.4 mm stranded tinned copper, PVC insulation, PVC outer grey jacket, 3.9 mm outer Ø

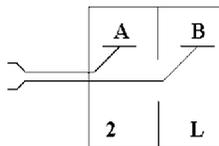
### Electrical Characteristics

Insulation resistance	> 100 MΩ at 100 Vdc	
Cross talk	< -70 dB @ 20 kHz < -50 dB @ 0.772 MHz < -50 dB @ 1.024 MHz	< -50 dB @ 1.544 MHz < -40 dB @ 2.048 MHz < -40 dB at 3.156 MHz
Contact resistance	> 200 mΩ including bulk resistance of 1 m	
Maximum change in contact resistance	20 mΩ	
Life	20 mΩ max. increase in contact resistance after 1500 insertion/withdrawal cycles into QDF-E magazine	

## Ordering Information

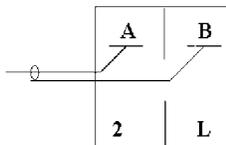
### 2-Wire Cords

Test plug - 1 open end - line side QDF-2A1-X (X = metres of cord)



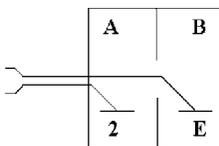
Product Name	PCN Number
QDF-2A1-1	287190-000
QDF-2A1-2	062313-000
QDF-2A1-3	242672-000
QDF-2A1-5	159412-000

Test plug (line side) to bantam plug QDF-2AP-X (X = metres of cord)



Product Name	PCN Number
QDF-2AP-3	443057-000

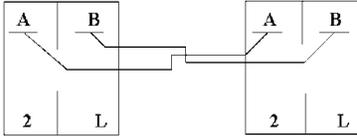
Test plug - 1 open end - equipment side QDF-2B1-X (X - meters of cord)



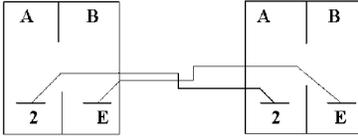
Product Name	PCN Number
QDF-2B1-2	625702-000
QDF-2B1-3	437284-000

# QDF-2 and 4 Wire Patch Cords

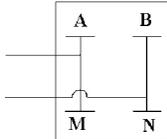
Patch cords - line-to-line QDF-2A2-X (X = metres of cord)



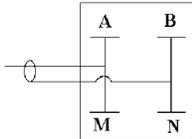
Patch cords - equipment-to-equipment QDF-2B2-X (X = metres of cord)



Monitor plug - 1 open end QDF-2M1-X (X = metres of cord)

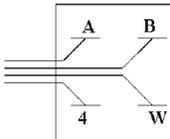


Monitor plug to bantam plug QDF-2MP-X (X = metres of cord)

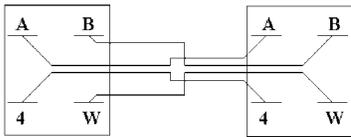


## 4-Wire Cords

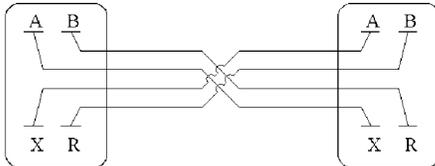
Test plug - 1 open end QDF-4A1-X (X = metres of cord)



Patch cords QDF-4A2-X (X = meters of cord)



Patch cord, reversed plugs QDF-4AR2-X (X = meters of cord)



Product Name	PCN Number
QDF-2A2-1	933534-000
QDF-2A2-2	901948-000
QDF-2A2-3	203315-000
QDF-2A2-4	047088-000
QDF-2A2-5	608748-000

Product Name	PCN Number
QDF-2B2-2	007150-000
QDF-2B2-3	435767-000

Product Name	PCN Number
QDF-2M1-1	488804-000

Product Name	PCN Number
QDF-2PM-3	363373-000

Product Name	PCN Number
QDF-4A1-1	643484-000
QDF-4A1-2	982654-000
QDF-4A1-4	708898-000
QDF-4A1-5	845916-000
QDF-4A1-10	550994-000

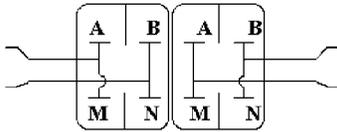
Product Name	PCN Number
QDF-4A2-1	422246-000
QDF-4A2-2	096664-000
QDF-4A2-4	035466-000
QDF-4A2-5	426700-000

Product Name	PCN Number
QDF-4AR2-3	428199-000

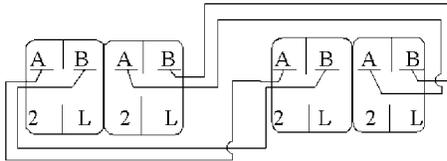
# QDF-2 and 4 Wire Patch Cords

## 2-Pair Cords

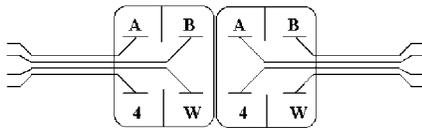
Monitor plug - 1 open end QDF-2M1-XD (X = metres of cord)



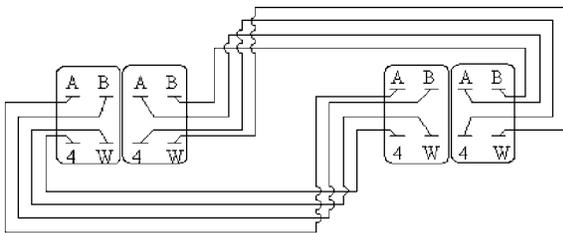
Patch cords - line side to line side QDF-2A2-XD (X = metres of cord)



Test-plug - 1 open end QDF-4A1-XD (X = metres of cord)



Patch cord QDF-4A2-XD (X = metres of cord)



Product Name	PCN Number
QDF-2M1-2D	278158-000

Product Name	PCN Number
QDF-2A2-2D	818820-000

Product Name	PCN Number
QDF-4A1-2D	240896-000

Product Name	PCN Number
QDF-4A2-2D	529102-000

If you require configurations other than these shown here, please contact your local Tyco Electronics sales engineer.

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