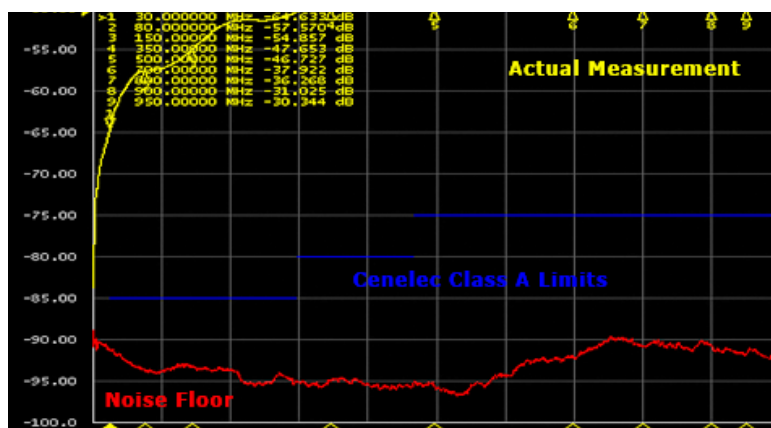


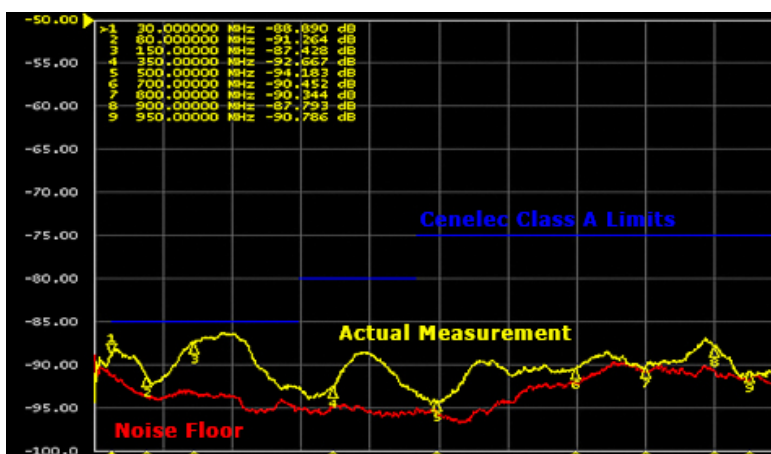
| PRODUCT FAMILY                                                                    | DESCRIPTION                                                                                                                                                                                                                                                                                                                                                                                                 |
|-----------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| CONNECTORS AND ACCESSORIES                                                        | BARRIER® FLYLEADS                                                                                                                                                                                                                                                                                                                                                                                           |
| FEATURES                                                                          |                                                                                                                                                                                                                                                                                                                                                                                                             |
|  | <ul style="list-style-type: none"> <li>&gt;&gt; <b>ELIMINATION</b> of ingress and egress</li> <li>&gt;&gt; <b>CLASS A++</b> shielding when <b>BARRIER®</b> is connected and exceeding A+ when open</li> <li>&gt;&gt; All brass construction with <b>NiSn</b> plating</li> <li>&gt;&gt; <b>SPRING NOSE</b> continuous ground technology</li> <li>&gt;&gt; Greater <b>CABLE FLEXIBILITY</b> V-quad</li> </ul> |
| SPECIFICATIONS                                                                    |                                                                                                                                                                                                                                                                                                                                                                                                             |

## RFI SCREENING EFFECTIVENESS

### STANDARD OPEN F MALE CONNECTOR FLY-LEAD



### BARRIER® OPEN F MALE CONNECTOR FLY-LEAD



## STOP INGRESS AND EGRESS

### - stop flow of your OPEX

Loose and unterminated connections produce ingress and egress, they keep you busy, and they cost you a fortune. The good news is that all this can be stopped today. No more loose connectors and lost terminators. No one needs to be disconnected. Make your in-home interconnect future proof and keep your network protected.

### BARRIER®

cannot be removed or lost.

Class A++ shielding is reached when **BARRIER®** is connected and even when it is left open the shielding of connections will exceed class A+.

Up-coming LTE services using low frequencies might be an issue:

**WOULD IT BE TIME TO PUT A  
BARRIER®  
BETWEEN YOU AND THEM?**

**ELECTRICAL AND RF CHARACTERISTICS**

| CABLE LENGTH<br>(m)        | FREQUENCY<br>RANGE (MHz) | INSERTION LOSS<br>(dB)              | RETURN LOSS<br>(dB) |
|----------------------------|--------------------------|-------------------------------------|---------------------|
| 1.5                        | 5-12                     | <0.7                                | >20                 |
|                            | 13-30                    |                                     | >25                 |
|                            | 31-300                   |                                     |                     |
|                            | 301-470                  |                                     | >23                 |
|                            | 471-1006                 |                                     | >20                 |
|                            | 1007-1700                | <1.2                                | >15                 |
|                            | 1701-2400                |                                     | >12                 |
| 3.0                        | 5-12                     | <1.3                                | >20                 |
|                            | 13-30                    |                                     | >25                 |
|                            | 31-300                   |                                     |                     |
|                            | 301-470                  |                                     | >23                 |
|                            | 471-1006                 |                                     | >20                 |
|                            | 1007-1700                | <2.2                                | >15                 |
|                            | 1701-2400                |                                     | >12                 |
| 5.0                        | 5-12                     | <2.0                                | >20                 |
|                            | 13-30                    |                                     | >25                 |
|                            | 31-300                   |                                     |                     |
|                            | 301-470                  |                                     | >23                 |
|                            | 471-1006                 |                                     | >20                 |
|                            | 1007-1700                | <3.0                                | >15                 |
|                            | 1701-2400                |                                     | >12                 |
| SCREENING<br>EFFECTIVENESS | FREQUENCY<br>RANGE (MHz) | VALUE                               |                     |
|                            | 5-12                     | $\leq 2.5 \text{ m}\Omega/\text{m}$ |                     |
|                            | 13-30                    | $\leq 0.9 \text{ m}\Omega/\text{m}$ |                     |
|                            | 31-300                   | >105 dB                             |                     |
|                            | 301-470                  |                                     |                     |
|                            | 471-1006                 |                                     |                     |
|                            | 1007-1700                | > 95 dB                             |                     |
|                            | 1701-2400                | >85 dB                              |                     |


**ALL BRASS CONSTRUCTION  
WITH NiSn PLATING**





ABC construction is robust due to the properties of zinc when combined with copper form brass, which is a proven material for harsh conditions. This results in higher quality and unlocks the performance of your networks.

**GREATER CABLE FLEXIBILITY  
V-QUAD**

Tri-shielded cable is more user friendly, not only aesthetically but also installations are simple due to better flexibility. Thinner cables makes it easier to route around e.g. door frames and skirting boards while RF performance is still on state of the art level.

- > Cable type **T59CTSFx77T-U**
- > Dual Bonded APA Laminated Shield with shorting fold ensuring **OPTIMUM RFI SHIELDING** when cable is flexed or bent
- > **77%** Tinned Copper Braid
- > **LTE** ready

MECHANICAL

| CONNECTOR TYPES | PULL OFF FORCE           |                                                                                   |
|-----------------|--------------------------|-----------------------------------------------------------------------------------|
| IEC FEMALE      | ≥30N typ.                |  |
| IEC MALE        | ≥30N typ.                |  |
| F MALE PUSH-ON  | ≥30N typ.                |  |
| F MALE SCREW-ON | N/A                      |  |
| BEND RADIUS     | Minimum Bend Radius 19mm |                                                                                   |

Cable Size  
Ident Ring

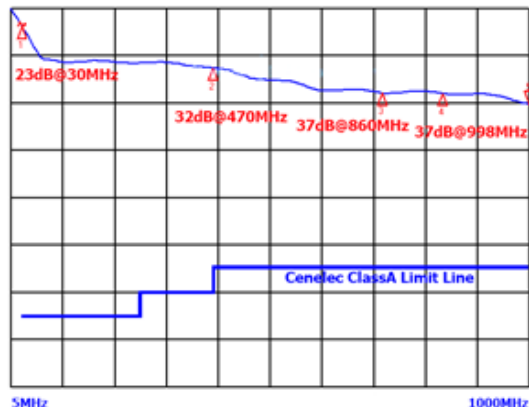


**BarrIER® RED**  
Colour Indent Ring

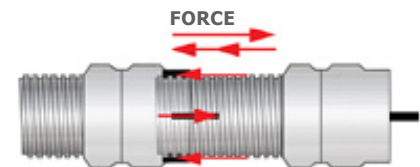
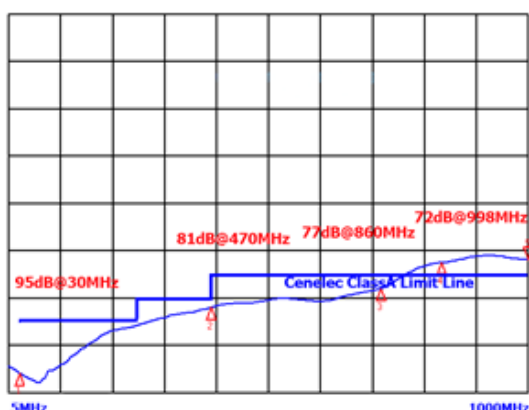
**BarrIER®** connectors are easily identified by installers and customers due to colour indent rings. RG59 connectors are identified by a thin **RED** indent ring and RG6 connectors by a thin **BLUE** indent ring in addition to the thick **RED** indent ring.

**STANDARD vs. BARRIER®**  
**RFI SCREENING EFFECTIVENESS**

**STANDARD F MALE CONNECTOR ¼ TURN LOOSE**



**BARRIER F MALE CONNECTOR ¼ TURN LOOSE**  
(Spring Nose Continuous Ground Technology)



**SPRING NOSE**  
**CONTINUOUS GROUND**  
**TECHNOLOGY**

**BarrIER®** offers you 20dB (typically more) shielding improvement in cases where connectors might be loose in your network. The unique internal plunger spring within **BarrIER®** connectors apply a rearward force to the mating connector so that metal-to-metal contact between the male and female threads is maintained. It also makes **BarrIER®** connections immune against vibration and unwanted turning.

**BarrIER®**  
connection when fitted is there for life.

## WHERE TO FIT **BarrIER®**

The BarrIER® connector end of the fly-lead is fitted to the Customer Premise Equipment (CPE). The non-BarrIER connector end of the fly-lead is connected to the wall outlet network. This ensures that if the fly-lead is disconnected from the CPE (but is still left connected to the network), then that network is protected from Ingress & Egress of an open connection.

## ORDERING INFORMATION

### **BAR-FM-59-xx-FM**

BarrIER F Male RG59 (length-xx) to F Male

Standard lengths are 1.5m, 3m and 5m. other lengths available on request

Push-Fit F connector variants also available – denoted by PF after FM



**Non-BarrIER**

### **BAR-FM-59-xx-IECF**

BarrIER F Male RG59 (length-xx) to IEC Female

Standard lengths are 1.5m, 3m and 5m. other lengths available on request

Push-Fit F connector variants also available – denoted by PF after FM



**Non-BarrIER**

### **BAR-IECM-59-xx-IECF**

BarrIER IEC Male RG59 (length-xx) to IEC Female

Standard lengths are 1.5m, 3m and 5m. other lengths available on request



**Non-BarrIER**

### **BAR-IECM-59-xx-FM**

BarrIER IEC Male RG59 (length-xx) to F Male

Standard lengths are 1.5m, 3m and 5m. other lengths available on request

Push-Fit F connector variants also available – denoted by PF after FM



**Non-BarrIER**

Other BarrIER connector fly-lead variations are available on request

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