



59-497-xxx, 59-497-xxxC, 59-497-xxxR and 59-497-xxxRC Scanner Cable with Connector for InSight Scanner

DESCRIPTION

Fireye offers the 59-497 twelve (12) conductor shielded cable pre-wired with the female quick disconnect for use with the InSight flame scanners. The cable assemblies are available in lengths from 10 to 500 feet, and are available in four (4) connector styles, straight and right-angle, with or without adapter for 1/2" flexible conduit (see Ordering Information).

Following are the wiring connections for the cables:

FEMALE CONNECTOR PIN LOCATION	59-497 CABLE CODE COLOR	INSIGHT MODEL 95 INTEGRATED SCANNER FUNCTION
A	Black/Red	Power 24 vdc (+)
B	White /Blue	Power 24 vdc (-)
C	White/Black	Flame Relay (N.O.)
D	White/Red	Flame Relay (N.O.)
E	Red	Fault Relay (N.C.)
F	Pink	Fault Relay (N.C.)
G	Violet	4-20mA (+)
H	Grey/Red	4-20 mA (-)
J	Blue/Red	File Select 1
K	Yellow	File Select 2
L	Brown	Communications A
M	Orange	Communications B

Take precautions to keep the scanner cable away from any high inductive wiring associated with high inductive loads or high voltage, high energy spark ignition systems.

ORDERING INFORMATION

The 59-497 cable assemblies are available with four different styles of connectors. The standard cable assembly, e.g. P/N 59-497-010, has a "straight" style connector. Other styles may be ordered by adding a suffix to the part number as described in the following tables.

Cable Connector Options

P/N	EXAMPLE	DESCRIPTION
No Suffix	59-497-010	Cable assembly with straight connector
C	59-497-010C	Cable assembly with straight connector and adapter to accept 1/2" flexible conduit (liquid-tight)
R	59-497-010R	Cable assembly with right angle (90-degree) connector
RC	59-497-010RC	Cable assembly with right angle (90-degree) connector and adapter to accept 1/2" flexible conduit (liquid-tight)



Cable Assembly Part Numbers (Add connector option suffix if desired)

P/N	DESCRIPTION
59-497-010	59-497 pre-wired scanner cable - 10 foot length, straight connector.
59-497-020	59-497 pre-wired scanner cable - 20 foot length, straight connector.
59-497-030	59-497 pre-wired scanner cable - 30 foot length, straight connector.
59-497-040	59-497 pre-wired scanner cable - 40 foot length, straight connector.
59-497-050	59-497 pre-wired scanner cable - 50 foot length, straight connector.
59-497-060	59-497 pre-wired scanner cable - 60 foot length, straight connector.
59-497-080	59-497 pre-wired scanner cable - 80 foot length, straight connector.
59-497-100	59-497 pre-wired scanner cable - 100 foot length, straight connector.
59-497-120	59-497 pre-wired scanner cable - 120 foot length, straight connector.
59-497-140	59-497 pre-wired scanner cable - 140 foot length, straight connector.
59-497-160	59-497 pre-wired scanner cable - 160 foot length, straight connector.
59-497-180	59-497 pre-wired scanner cable - 180 foot length, straight connector.
59-497-200	59-497 pre-wired scanner cable - 200 foot length, straight connector.
59-497-250	59-497 pre-wired scanner cable - 250 foot length, straight connector.
59-497-300	59-497 pre-wired scanner cable - 300 foot length, straight connector.
59-497-500	59-497 pre-wired scanner cable - 500 foot length, straight connector.

Note: Class 1 Division II Hazardous Area requirements for InSight scanners with electrical connectors (non-CG models):

1. It is necessary to either use the "C" or "RC" model cable assemblies or cable connector kits and install the cable in 1/2" flexible conduit, or use the 61-6944 Wiring Harness.
2. The connector coupling nut setscrew must be tightened after mating the cable to the scanner.
3. The red warning label must be adhered to the connector housing.

NOTICE

When Fireeye products are combined with equipment manufactured by others and/or integrated into systems designed or manufactured by others, the Fireeye warranty, as stated in its General Terms and Conditions of Sale, pertains only to the Fireeye products and not to any other equipment or to the combined system or its overall performance.

WARRANTIES

FIREYE guarantees for *one year from the date of installation or 18 months from date of manufacture* of its products to replace, or, at its option, to repair any product or part thereof (except lamps, electronic tubes and photocells) which is found defective in material or workmanship or which otherwise fails to conform to the description of the product on the face of its sales order. **THE FOREGOING IS IN LIEU OF ALL OTHER WARRANTIES AND FIREYE MAKES NO WARRANTY OF MERCHANTABILITY OR ANY OTHER WARRANTY, EXPRESS OR IMPLIED.** Except as specifically stated in these general terms and conditions of sale, remedies with respect to any product or part number manufactured or sold by Fireeye shall be limited exclusively to the right to replacement or repair as above provided. In no event shall Fireeye be liable for consequential or special damages of any nature that may arise in connection with such product or part.



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