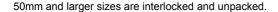


UL / CSA FLEXIBLE CONDUIT

CONSTRUCTION:

BLACK OR GREY FLAME RETARDANT PVC COVERING **GALVANISED STEEL CORE** WITH COPPER PACKING





KF-F XQ', XR' or XS' AND KF-C XM', XK' or XL' FOR INDUSTRIAL AND ZONE 2 APPLICATIONS HAA' or HAM' GLANDS FOR ZONE 1 FLAMEPROOF APPLICATIONS.



| CONDUIT SIZE (mm) | 16 | 20 | 25 | 32 | 40 |
|-------------------------------|----------|----------|----------|----------|------------|
| (US TRADE inches) | (3/8 US) | (1/2 US) | (3/4 US) | (1 US) | (1.1/4 US) |
| ORDERING CODES | FU* 0310 | FU* 0410 | FU* 0510 | FU* 0610 | FU* 0710 |
| (* B FOR BLACK OR G FOR GREY) | FU* 0330 | FU* 0430 | FU* 0530 | FU* 0620 | FU* 0720 |
| DIMENSIONS: | | | | | |
| INSIDE DIAMETER (mm) | 12.5 | 16.0 | 21.0 | 26.0 | 34.8 |
| OUTSIDE DIAMETER (mm) | 17.8 | 21.1 | 26.4 | 33.1 | 41.8 |
| MINIMUM BEND RADIUS (mm) | 50.0 | 80.0 | 105.0 | 165.0 | 200.0 |
| AVERAGE WEIGHT (kg/100m) | 39.4 | 48.5 | 66.3 | 112.0 | 160.0 |
| MECHANICAL CLASSIFICATIONS: | | | | | |
| CONNECTOR PULL-OFF | HEAVY | HEAVY | HEAVY | HEAVY | HEAVY |
| CONDUIT CRUSH | V.HEAVY | V.HEAVY | HEAVY | V.HEAVY | HEAVY |

| CONDUIT SIZE (mm) | 50 | 63 | |
|-------------------------------|------------|----------|--|
| (US TRADE inches) | (1.1/2 US) | (2 US) | |
| ORDERING CODES | FU* 0810 | FU* 0910 | |
| (* B FOR BLACK OR G FOR GREY) | FU* 0820 | FU* 0920 | |
| DIMENSIONS: | | | |
| INSIDE DIAMETER (mm) | 40.4 | 51.6 | |
| OUTSIDE DIAMETER (mm) | 47.7 | 60.0 | |
| MINIMUM BEND RADIUS (mm) | 280.0 | 355.0 | |
| AVERAGE WEIGHT (kg/100m) | 193.5 | 253.0 | |
| MECHANICAL CLASSIFICATIONS: | | | |
| CONNECTOR PULL-OFF | V. HEAVY | V. HEAVY | |
| CONDUIT CRUSH | V.HEAVY | HEAVY | |

FOR TEST METHODS AND EXPLANATION OF CLASSIFICATIONS SEE SHEET 810100. FOR PERFORMANCE DETAILS OF PVC COVERING MATERIAL SEE SHEET 810084.

OTHER PROPERTIES:

ELECTRICAL RESISTANCE (OHMS/30.5m LENGTH) MAXIMUM FAULT CURRENT RESISTANCE TO FLAME PROPAGATION

IP RATING WITH RECOMMENDED KOPEX CONNECTOR

OPERATING TEMPERATURE OF COVERING

APPROVALS

 $< 5\Omega$ (Ø16mm), $< 2.5\Omega$ (Ø 20 & 25mm) AND $< 1.5\Omega$ (Ø 32 & 40mm).

470 A (Ø16 & 20mm) AND 750 A (Ø25, 32 & 40mm).

FLAME DIES IN LESS THAN 60 SECONDS AFTER 3 APPLICATIONS AND IGNITION SOURCE REMOVED.

IP 66 (NO INGRESS OF TALCUM POWDER UNDER VACUUM AND NO INGRESS OF WATER WITH NOZZLE SPRAY FROM 3m).

IP 67 (NO INGRESS OF TALCUM POWDER UNDER VACUUM AND NO INGRESS OF WATER AT 1m DEPTH FOR 30 MINUTES).

UL RATING -10 TO + 60° C. CSA RATING -10 TO 75° C. (ACTUAL RANGE: STATIC -25 TO 105° C. FLEXING -5 TO 105° C).

UL, CSA.

KOPEX FLEXIBLE CONDUIT IS INTENDED TO PROTECT CABLES IN APPLICATIONS WHERE THERE IS REPEATED FLEXING, VIBRATION AND BENDING. WHEN INSTALLING WIRING SYSTEMS, ADHERENCE TO THE CURRENT WIRING REGULATIONS BS7671 OR NEC WIRING REGULA-TIONS (FOR USA) IS STRONGLY ADVISED.

MINIMUM BEND RADIUS FOR FLEXING IS DEPENDANT UPON MINIMUM TEMPERATURE, BENDING FREQUENCY AND CHEMICAL ENVIRON-MENT

The Company's policy is one of continuous improvement and reserves the right to change specifications at any time without prior notice.