



3-36 CABLESYSTEM IS SHOWN ENTERING A RAYCHEM FOSC 400D ROUND PORT. NOTE THAT THE CABLESYSTEM IS 'RECTANGULAR' AND THEREFORE THE HEAT SHRINK RATIO MUST BE CALCULATED BASED ON THE WIDTH OF THE CABLE AS OPPOSED TO THE CABLE'S HEIGHT, WHICH IS SHOWN HERE IN PROFILE. THE WIDTH OF THE 3-36 CABLESYSTEM IS 9.2mm (NOMINAL). THIS DETAIL SHOWS ONE POSSIBLE SOLUTION USING AN INTERMEDIATE DUCT AND TWO HEAT SHRINK TUBES TO CREATE THE WATERPROOF SEAL.

3-36 CABLESYSTEM 19.2mm x 9.2mm.

WITHIN 8" SECTION OF PVC OR HDPE CONDUIT 22.3mm (7/8") INSIDE DIAMETER, 1/8" WALL THICKNESS.

USE TWO DIFFERENT SECTIONS OF HIGHLY FLEXIBLE POLYOLEFIN HEAT-SHRINK TUBING. THE INNER SECTION BINDS THE CONDUIT AND THE 3-36 CABLESYSTEM.

MICRODUCT 3/36 CABLE SYSTEM

MIN BEND RAD:
THIN DIRECTION: 140mm
WIDE DIRECTION: 300mm

MAX INSTALLATION PULL FORCE: 800N (80kg)

OUTER SHEATH REMOVAL:
SHEATH CUTTERS WITH CARE

INNER SHEATH REMOVAL:
USE RIPCORD PROVIDED

INNER 10" SECTION IS HF-13 BY TYCO (RAYCHEM) OR EQUIVALENT - 33mm DIAMETER 9.5mm RECOVERED.

THE OUTER SECTION BINDS THE CONDUIT TO THE ROUND PORT OF THE FOSC 400D.

OUTER 6" SECTION IS HF-20 - 50.8mm DIAMETER 19.1mm RECOVERED.

THE FOSC 400D IS ONE OF THE LARGEST FOSCS COMMONLY USED IN THE OUTSIDE PLANT NETWORK. SMALLER FOSCS OFTEN HAVE SMALLER PORTS AVAILABLE FOR THE 3-36 CABLESYSTEM AND WILL NOT REQUIRE THE INTERMEDIATE CONDUIT TO FORM A PROPER FIT.

TYCO RECOMMENDS HOT MELT ADHESIVE /97 (TAPE OR ADHESIVE LINED) OR FLAME RETARDANT MASTIC TAPE S1305 TO COMPLETELY SEAL THE HEAT-SHRINK TUBING TO THE CABLE AND FOSC PORT.

FOSC DETAIL - 3/36 CABLESYSTEM

- INTERIOR VIEW - SCALE: N.T.S. - UPDATED 20070806

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