



# Technical Data Sheet

# FLEXIBLE NON-METALLIC CONDUIT MEDIUM DUTY

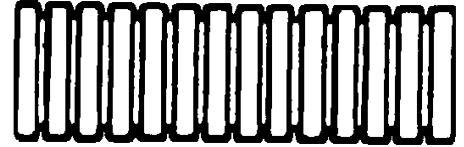
**CONSTRUCTION:**

NYLON 6, HALOGEN FREE

**RECOMMENDED CONNECTORS:**

FINE PITCH – YQ', YS' or YX

COARSE PITCH – YV or YW



CONDUIT SIZE (mm)	10	12	16	20	25	32
ORDERING CODES	EP* 0110	EP* 0210	EP* 0310	EP* 0410	EP* 0510	EP* 0610
	EP* 0130	EP* 0230	EP* 0330	EP* 0430	EP* 0530	EP* 0630
(* B FOR BLACK OR G FOR GREY)	EP* 0150	EP* 0250	EP* 0350	EP* 0450	EP* 0550	EP* 0650
<b>DIMENSIONS:</b>						
CONDUIT PITCH	FINE (T)	FINE (T)	FINE (T)	FINE (T)	FINE (T)	FINE (T)
INSIDE DIAMETER (mm)	6.5	9.6	11.5	16.1	22.3	28.4
OUTSIDE DIAMETER (mm)	10.0	13.0	15.8	21.2	28.5	34.7
MINIMUM BEND RADIUS (mm)	15.0	30.0	32.0	40.0	56.0	64.0
AVERAGE WEIGHT (kg/100m)	1.9	3.6	4.5	7.4	13.6	16.5
<b>MECHANICAL CLASSIFICATIONS:</b>						
CONNECTOR PULL-OFF	V.LIGHT	V.LIGHT	V.LIGHT	LIGHT	LIGHT	LIGHT
CONDUIT CRUSH	V.LIGHT	V.LIGHT	V.LIGHT	LIGHT	LIGHT	LIGHT

CONDUIT SIZE (mm)	40	50	70	95
ORDERING CODES	EP* 0710	EP* 0810	EPG 1001	EPG 1201
	EP* 0730	EP* 0830	EPG 1010	EPG 1210
(* B FOR BLACK OR G FOR GREY)	EP* 0750	EP* 0850		
<b>DIMENSIONS:</b>				
CONDUIT PITCH	COARSE (G)	COARSE (G)	COARSE (G)	COARSE (G)
INSIDE DIAMETER (mm)	34.6	46.0	67.0	90.0
OUTSIDE DIAMETER (mm)	42.5	54.5	80.0	106.0
MINIMUM BEND RADIUS (mm)	90.0	95.0	160.0	210.0
AVERAGE WEIGHT (kg/100m)	24.0	29.5	48.0	85.0
<b>MECHANICAL CLASSIFICATIONS:</b>				
CONNECTOR PULL-OFF	HEAVY	MEDIUM		
CONDUIT CRUSH	LIGHT	LIGHT		

FOR TEST METHODS AND EXPLANATION OF CLASSIFICATIONS SEE SHEET 810100.  
FOR PERFORMANCE DETAILS OF NYLON MATERIAL SEE SHEET 810086

**OTHER PROPERTIES:**

RESISTANCE TO FLAME PROPAGATION

FLAME DIES IN LESS THAN 30 SECONDS AFTER IGNITION SOURCE REMOVED.  
RATED UL 94 V<sub>0</sub> AND UL 224.

IP RATING WITH RECOMMENDED CONNECTOR

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

OPERATING TEMPERATURE

STATIC - 40 TO + 120° C.

FLEXING -5 TO + 120° C.

APPROVALS

UR COMPONENT RECOGNISED, RATED AT 105° C. (NOT 70 AND 95mm SIZES).

KOPEX FLEXIBLE NON-METALLIC 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 REGULATIONS (FOR USA) IS STRONGLY ADVISED.

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