

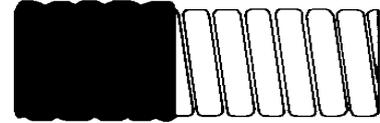


# Technical Data Sheet

# KE LOW ACID PVC FLEXIBLE CONDUIT

**CONSTRUCTION :**

BLACK FLAME RETARDANT LOW ACID PVC COVERING  
GALVANISED STEEL CORE



50mm size is Black Flame Retardant PVC

**RECOMMENDED CONNECTORS:**

KF-E – GA', GB', GC', GU' and GQM

CONDUIT SIZE (mm)	10	12	16	20	25
ORDERING CODES	KEBF 0110 KEBF 0130	KEBF 0210 KEBF 0230	KEBF 0310 KEBF 0330	KEBF 0410 KEBF 0430 KEBF 0450	KEBF 0510 KEBF 0530 KEBF 0550
<b>DIMENSIONS:</b>					
INSIDE DIAMETER (mm)	7.0	10.0	12.9	17.0	21.1
OUTSIDE DIAMETER (mm)	10.3	13.8	17.1	21.2	25.7
MIN BEND RADIUS STATIC (mm)	30.0	30.0	35.0	40.0	50.0
AVERAGE WEIGHT (kg/100m)	12.5	19.8	23.1	31.4	38.5
<b>MECHANICAL CLASSIFICATIONS:</b>					
CONNECTOR PULL-OFF	MEDIUM	MEDIUM	HEAVY	HEAVY	HEAVY
CONDUIT CRUSH	HEAVY	HEAVY	HEAVY	HEAVY	HEAVY

CONDUIT SIZE (mm)	32	40	50
ORDERING CODES	KEBF 0610 KEBF 0620	KEBF 0710 KEBF 0720	KEB 0810 KEB 0820
<b>DIMENSIONS:</b>			
INSIDE DIAMETER (mm)	28.4	36.4	48.2
OUTSIDE DIAMETER (mm)	33.0	41.1	54.9
MIN BEND RADIUS STATIC (mm)	60.0	80.0	180.0
AVERAGE WEIGHT (kg/100m)	51.7	64.4	116.0
<b>MECHANICAL CLASSIFICATIONS:</b>			
CONNECTOR PULL-OFF	HEAVY	HEAVY	HEAVY
CONDUIT CRUSH	HEAVY	HEAVY	HEAVY

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

**OTHER PROPERTIES:**

RESISTANCE TO FLAME PROPAGATION  
IP RATING WITH RECOMMENDED CONNECTOR

OPERATING TEMPERATURE OF COVERING

FLAME DIES IN LESS THAN 30 SECONDS AFTER IGNITION SOURCE REMOVED.  
IP 54 (NO INGRESS OF TALCUM POWDER AT NORMAL PRESSURE AND NO INGRESS OF WATER WITH TURNTABLE SUPPLY).  
STATIC - 25 TO + 70° C.  
FLEXING - 5 TO + 70° C.

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 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.