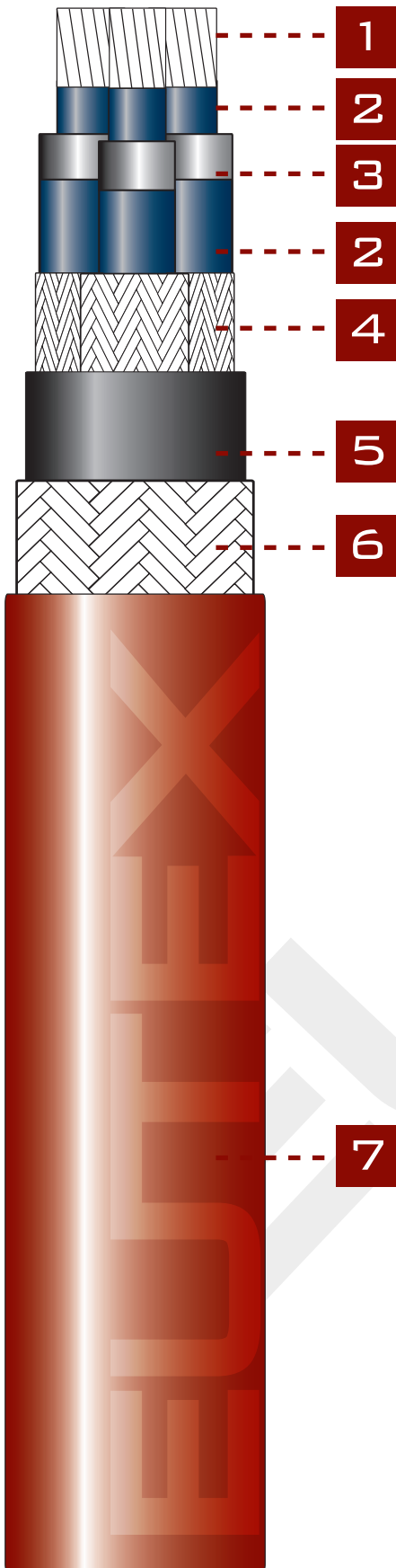


MEDIUM VOLTAGE 12/20 kV
HALOGEN FREE & MUD RESISTANT



Design and ConstructionIEC 60092-354 IEC 60502

Nominal Voltage U_0/U12/20 kV

Maximum Rated Temperature 90° C

Flame RetardancyIEC 60332-1 IEC 60332-3-22

Corrosivity.....IEC 60754-1 IEC 60754-2

Smoke DensityIEC 61034-2

MUD ResistanceNEK 606

On request:

Cold Bend and impact (-40° C) CSA C22.2 No 38-95

CONSTRUCTION DATA

- 1** CONDUCTOR Tinned stranded compacted copper IEC 60228 class 2
- 2** SEMICONDUCTOR Halogen free EPR compound
- 3** INSULATION..... Halogen free EPR compound
- 4** SCREEN Tinned copper wire braid according to IEC 60092-352
- 5** BEDDING Halogen free compound
- 6** ARMOUR..... Tinned copper wire braid
- 7** OUTER SHEATH..... SHF2 MUD thermoset compound
Halogen free & MUD resistant

CORES IDENTIFICATION

BY COLORED OR NUMBERED TAPES

Sheath Color.....Red

SHEATH MARKING

RFOU P19/P20 12/20 kV n x s / braid mm²

NEK 606 IEC 60332-3-22 QA ref Metric marking

NOMINAL DIMENSIONAL & ELECTRICAL DATA

12/20 kV

Construction (mm²)	EUT-01L-	Insulation Thickness (mm)	Under Armour Diameter (mm)	Outer Sheath Thickness (mm)	Overall Diameter (approx) (mm)	Weight (approx) (kg/km)	Bending Radius (mm)	Conductor Resistance at 20°C (Ω/km)	Current Rating at 45°C (A)	Short Circuit Rating (kA)
1x50	01C050-J	8.3	21.3	27.0	32.5	1910	260	0.391	201	7.1
1x70	01C070-J	10.3	23.4	28.5	34	2220	270	0.270	252	9.9
1x95	01C095-J	11.8	25.3	30.2	36	2590	290	0.195	307	13.5
1x120	01C120-J	13.2	26.4	31.5	37.5	2980	300	0.154	354	17.0
1x150	01C150-J	14.3	27.6	33.5	39.5	3450	315	0.126	402	21.2
1x185	01C185-J	16.5	29.8	36.0	43	4120	345	0.100	460	26.0
1x240	01C240-J	19.0	32.5	39.5	46.5	4740	370	0.076	551	34.5
1x300	01C300-J	22.0	35.4	42.2	50.5	5420	405	0.061	625	43.0

3x50	03C050-J	8.3	21.3	60.0	67.5	7050	540	0.391	159	7.1
3x70	03C070-J	10.3	23.4	62.5	70	8200	560	0.270	198	9.9
3x95	03C095-J	11.8	25.3	65.0	74	9550	590	0.195	239	13.5
3x120	03C120-J	13.2	26.4	67.5	78	11,000	625	0.154	275	17.0
3x150	03C150-J	14.3	27.6	71.0	82	12,900	655	0.126	351	21.2