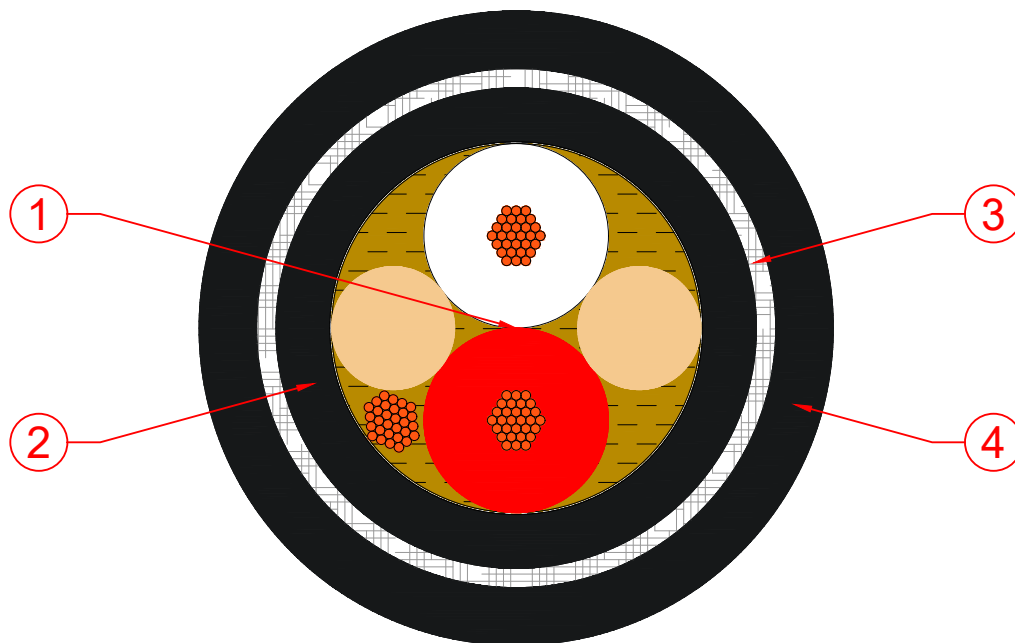


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CABLE ATTRIBUTES	APPROX.
NOMINAL OVERALL DIAMETER	16.5 mm
NOMINAL RADIAL THICKNESS OF OUTER SHEATH	1.5 mm
NOMINAL DIAMETER OVER BRAID	13.5 mm
NOMINAL DIAMETER OVER INNER SHEATH	12.5 mm
NOMINAL RADIAL THICKNESS OF INNER SHEATH	1.4 mm
NOMINAL LAID UP DIAMETER OF CABLE	9.7 mm
WEIGHT OF CABLE IN AIR (APPROX.)	333 kg/km
WEIGHT OF CABLE IN SEAWATER (APPROX.)	114 kg/km
WEIGHT OF CABLE IN FRESHWATER (APPROX.)	120 kg/km
AMBIENT OPERATING TEMPERATURE RANGE	-20 to 80 °C
MAXIMUM CONDUCTOR TEMPERATURE	90 °C
MINIMUM RECOMMENDED STATIC BEND RADIUS	165 mm
MINIMUM RECOMMENDED DYNAMIC BEND RADIUS	248 mm
MAXIMUM CONTINUOUS LENGTH	1600 m
MAXIMUM HYDROSTATIC WORKING PRESSURE	2500 PSI (TBC)



ITEM	QTY.	DESCRIPTION
1	1	1.5 mm <sup>2</sup> E.P.R. INSULATED, WATER BLOCKED, TWISTED SCREENED PAIR
2	A/R	POLYURETHANE INNER SHEATH (R.T. 1.4 mm)
3	A/R	GALVANISED STEEL WIRE BRAID
4	A/R	POLYURETHANE SHEATH (R.T. 1.5 mm)



O.D. 16.5 mm ±0.5 mm

DESCRIPTION :

1 TWISTED SCREENED PAIR (1.5 mm<sup>2</sup>, CLASS 5 STRANDED TINNED COPPER, ETHYLENE PROPYLENE RUBBER INSULATION, WATER BLOCKING COMPOUND, ALUMINIUM TAPE + 1.5 mm<sup>2</sup>, CLASS 5 STRANDED TINNED COPPER DRAIN WIRE SCREEN) + POLYURETHANE INNER SHEATH (RADIAL THICKNESS 1.2 mm) + GALVANISED STEEL WIRE BRAID + POLYURETHANE SHEATH (RADIAL THICKNESS 1.5 mm)

ELECTRICAL CHARACTERISTICS	
CORE CROSS SECTIONAL AREA	1.5 mm <sup>2</sup>
MAX CONDUCTOR RESISTANCE @ 20°C	13.7 Ω/km
VOLTAGE RATING	1600 V
ROUTINE TEST VOLTAGE	3.5 kV AC/ 5.0 kV DC
VOLTAGE TEST DURATION	5 MINUTES
AC SPARK TEST VOLTAGE	15 kV
CURRENT RATING IN FREE AIR @ 30°C	29 A
INSULATION RESISTANCE 20°C @ 500 V DC	> 1751 MΩ.km

AKER SPECIFICATION :

CABLE MEETS THE REQUIREMENTS OF AKER SOLUTIONS SPECIFICATION 15-080434-25 WITH FOLLOWING EXCEPTIONS:

ATTENUATION: T.B.C.  
 MAX AXIAL LOAD: NOT RECOMMENDED FOR ANY TENSILE LOADS  
 CABLE WEIGHTS: WEIGHTS DO NOT MATCH REQUESTED VALUES

ISSUE	D.R.F.	MODIFICATION	DRAWN	DATE	CHKD	APPD	DRG. STATUS
17	13529	BRAID CONSTRUCTION AMENDED	S.M.	23.07.19	I.S.	A.S.	CUSTOMER ISSUE NOTIFICATION:- NO
16	8695	ADD REFERENCE TO AKER SPEC	I.S.	21.10.13	M.G.	D.B.	CUSTOMER NAME. N/A
15	7696	PRODUCTION RECORDS UPDATE	M.G.	02.04.12	I.S.	A.S.	CUSTOMER REF. No. N/A
14	5969	EXTRUDER SETTINGS, RUN 2 ADDED	M.G.	06.04.10	I.S.	D.W.	REFERENCE DOCUMENTATION
13	5832	EXTRUDER SETTINGS, RUN 1 REVISED	C.F.	06.01.10	I.S.	D.H.	
12	5549	DRAIN WIRE INCREASED 0.5 TO 1.5 SQ MM	K.M.	18.05.09	C.F.	D.H.	
11	5214	PRODUCTION RECORDS UPDATE	M.Y.	25.11.08	D.H.	C.G.	DRG. STATUS

"CAD" DRAWING - REVISE AT SOURCE - DO NOT SCALE

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 web site: http://www.hydrogroupplc.com

TITLE  
 1 T.S.P. (1.5 mm<sup>2</sup>) + WATER BLOCK +  
 + POLYURETHANE INNER SHEATH +  
 G.S.W.B. + POLYURETHANE SHEATH

**LEGACY**

DRG. No.

**CS 602**

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