



PHILFLEX®
PHILIPS WIRE & CABLE CO.

TECHNICAL DATA SHEET

Size / Type: 1/4" MESSENGER WIRE
Specification: ASTM A 475-03 , Commercial

No.	Description	Unit	Details
1.	Conductor a. Material b. Min. Tensile Strength c. Min. Elongation d. Weight of Zinc Coating e. Adherence of Coating No cracking or delaminating of zinc-coating (Clause 11) f. Surface Appearance Free of imperfections. The coating shall be continuous and reasonably uniform (Clause 14)	---- kg/mm ² % g/m ²	Galvanized Steel Wire Extra High Strength (EHS) 133.10 4 183
2.	Stranding a. Construction (no. x diameter of single wire) b. Over-all Diameter c. Lay Direction d. Max. Lay Factor e. Max. Lay Length f. Min. Rated Strength g. Joints in Stranding No strand joints or strand splices in any length. (Sub-Clause 12.4) h. Strand Wire in Position (Flaring) All wires in the strand shall lie naturally in their true position in the strand and, when strand is cut, the ends shall remain in position or be easily replaced by hand and then remain in position. (Sub-Clause 6.6)	No. x mm mm ---- ---- mm kN	7 x 2.03 ± 0.08 6.35 Left Hand Lay 16 101.60 29.581
3.	Cable Weight (approx.)	kg/km	180.943
4.	Standard Packing a. Cable Length b. Packaging	meter ---	1,524 In wooden reel made of hard wood with steel pipe support in bores
5.	Marking on Tag	---	1/4" MESSENGER WIRE

Prepared by: Engr. R. Kalaw  6/20/2016 <div style="display: flex; justify-content: space-between; width: 100%; font-size: small;"> Signature Date </div>	Checked by: Engr. R. Lopez Jr.  6/20/2016 <div style="display: flex; justify-content: space-between; width: 100%; font-size: small;"> Signature Date </div>	Approved by: Engr. C.A. Suello _____ <div style="display: flex; justify-content: space-between; width: 100%; font-size: small;"> Signature Date </div>
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