

Home > MRO > Electric Wire, Power, and Distribution Equipment > 6145-01-059-0391

Wire, Electrical

6145-01-059-0391

NSN 6145-01-059-0391 · NIIN 010590391 · Part number M81822/7-A30-0

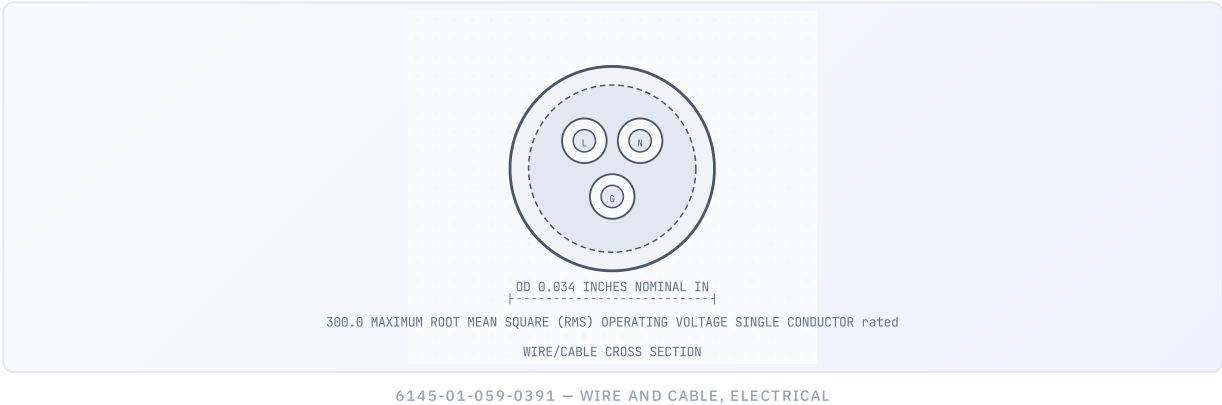
Sae International Db a Sae International · FSC 6145 — Wire and Cable, Electrical · FSG 61 — Electric Wire, Power, and Distribution Equipment · CAGE 0U583

GOVERNMENT RECORD, CITED

NSN 6145-01-059-0391 — this item is cataloged by the U.S. Government under National Stock Number 6145-01-059-0391. Manufacturer of record part number: M81822/7-A30-0.

ALSO SEARCHED AS 6145-01-059-0391 · 6145010590391 · NIIN 010590391 · 01-059-0391 · FSC 6145 Wire and Cable, Electrical · CAGE 0U583 · M81822/7-A30-0 · SAE-AS81822/7 · MIL-W-81822/7

NEARBY STOCK NUMBERS ← 6145-01-059-0390 · 6145-01-059-0392 →



6145-01-059-0391 — WIRE AND CABLE, ELECTRICAL

FEATURES

- Wire,electrical — FSC 6145
- Round Conductor Size: 30 AWG SINGLE CONDUCTOR
- Temp Rating: 105.0 CELSIUS DEGC
- Voltage Rating: 300.0 MAXIMUM ROOT MEAN SQUARE (RMS) OPERATING VOLTAGE SINGLE CONDUCTOR
- Surface Treatment Document and Classification: ASTM B33-63 ASSN STD SINGLE TREATMENT RESPONSE CORE CONDUCTOR SINGLE CONDUCTOR
- Material Document and Classification: ASTM B3 ASSN STD SINGLE MATERIAL RESPONSE CORE CONDUCTOR SINGLE CONDUCTOR
- Material Document and Classification: MIL-M-20693,COMP A,TYPE 3,GRADE E MIL SPEC SINGLE MATERIAL RESPONSE SECOND POSITION JACKET SINGLE CONDUCTOR
- Cross-Sectional Shape Style: ROUND

IDENTIFICATION

- NSN: 6145-01-059-0391
- NIIN: 010590391
- FSC: 6145 — Wire and Cable, Electrical
- FSG: 61 — Electric Wire, Power, and Distribution Equipment
- Primary part number: M81822/7-A30-0
- Manufacturer: Sae International Db a Sae International

GENERAL DESCRIPTION

The Wire,electrical, cataloged under National Stock Number 6145-01-059-0391, is classified within Federal Supply Class 6145 (Wire and Cable, Electrical) of the Electric Wire, Power, and Distribution Equipment group. The manufacturer of record is Sae International Db a Sae International. Government technical data includes 14 specifications, cited from the U.S. Government catalog. The record lists 1 manufacturer part number for this item, enabling identification through both NSN and commercial part number lookups. 3 additional reference documents (drawings, advisory and superseded references) are recorded in the U.S. Government catalog. Current acquisition status: Active. Unit of issue: FT.

TECHNICAL SPECIFICATIONS

PARAMETER	VALUE
NSN	6145-01-059-0391
Primary Part Number	M81822/7-A30-0
Item Name	Wire,electrical
FSC / FSG	6145 / 61 — Wire and Cable, Electrical
Manufacturer	Sae International Db a Sae International
Status	ACTIVE
Round Conductor Size	30 AWG SINGLE CONDUCTOR
Temp Rating	105.0 CELSIUS DEGC
Voltage Rating	300.0 MAXIMUM ROOT MEAN SQUARE (RMS) OPERATING VOLTAGE SINGLE CONDUCTOR
Surface Treatment Document and Classification	ASTM B33-63 ASSN STD SINGLE TREATMENT RESPONSE CORE CONDUCTOR SINGLE CONDUCTOR
Material Document and Classification	ASTM B3 ASSN STD SINGLE MATERIAL RESPONSE CORE CONDUCTOR SINGLE CONDUCTOR
Material Document and Classification	MIL-M-20693,COMP A,TYPE 3,GRADE E MIL SPEC SINGLE MATERIAL RESPONSE SECOND POSITION JACKET SINGLE CONDUCTOR
Cross-Sectional Shape Style	ROUND
Conductor Form	SOLID SINGLE CONDUCTOR
Color	BLACK FIRST POSITION COVER SINGLE CONDUCTOR
Surface Treatment	TIN CORE CONDUCTOR SINGLE CONDUCTOR
Cross Section Outside Diameter	0.034 INCHES NOMINAL IN
Material	PLASTIC POLYVINYL CHLORIDE (PVC) FIRST POSITION PRIMARY INSULATION SINGLE CONDUCTOR
Material	COPPER CORE CONDUCTOR SINGLE CONDUCTOR
Material	PLASTIC POLYAMIDE NYLON SECOND POSITION JACKET SINGLE CONDUCTOR

LIFECYCLE & COMPLIANCE

Acquisition Status	ACTIVE
DEMIL Code	DEMIL A — NO DEMILITARIZATION REQUIRED
Hazard	NO HAZARD CODE IN THE DLA RECORD (HMIC N)
Shelf Life Code	0
Criticality Code	X
Unit of Issue	FT
Acquisition advice code	JN

CROSS-REFERENCE INDEX

PART NUMBER	MANUFACTURER
M81822/7-A30-0 PRIMARY	Sae International Db a Sae International (USA)
REFERENCE DOCUMENTS	
REFERENCE	MEANING
M81822/7-A30-0	5/9 Secondary reference U.S. Government activity
SAE-AS81822/7	3/1 Design control — primary reference Sae International Db a Sae International
MIL-W-81822/7	5/9 Secondary reference U.S. Government activity

No interchangeability data on file.

OTHER ITEMS IN FSC 6145 — WIRE AND CABLE, ELECTRICAL

Items in the same Federal Supply class. No interchangeability or substitution relationship is implied.

6145-00-000-0090 WIRE,ELECTRICAL	6145-00-000-0095 6145-00-000-0095 · Item name not on file	6145-00-001-1281 6145-00-001-1281 · Item name not on file	6145-00-001-3002 6145-00-001-3002 · Item name not on file
6145-00-001-4504 WIRE,ELECTRICAL	6145-00-001-5158 6145-00-001-5158 · Item name not on file	6145-00-001-5159 6145-00-001-5159 · Item name not on file	6145-00-001-5160 6145-00-001-5160 · Item name not on file

FREQUENTLY ASKED QUESTIONS

What is NSN 6145-01-059-0391?

NSN 6145-01-059-0391 is a Wire,electrical, manufactured by Sae International Db a Sae International, classified under FSC 6145, Wire and Cable, Electrical. Status: active.

What part numbers are listed for NSN 6145-01-059-0391?

NSN 6145-01-059-0391 has 1 manufacturer part number on file: M81822/7-A30-0 (Sae International Db a Sae International).

What are the specifications of M81822/7-A30-0?

Key specifications for M81822/7-A30-0: Round Conductor Size: 30 AWG SINGLE CONDUCTOR; Temp Rating: 105.0 CELSIUS DEGC; Voltage Rating: 300.0 MAXIMUM ROOT MEAN SQUARE (RMS) OPERATING VOLTAGE SINGLE CONDUCTOR; Surface Treatment Document and Classification: ASTM B33-63 ASSN STD SINGLE TREATMENT RESPONSE CORE CONDUCTOR SINGLE CONDUCTOR. 14 specifications are documented in the U.S. Government catalog.

Is NSN 6145-01-059-0391 hazardous material?

No hazard code in the DLA record (HMIC N). Hazard information on this page is shown exactly as it appears in the DLA record.

SOURCES

U.S. Government catalog: edition PUBLOGDVD v12.0.0 (OCT 2026), edition date 2026-10-01, retrieved 2026-10-16.
U.S. Government catalog: edition PUBLOGDVD v12.0.0 (OCT 2026), edition date 2026-10-01, retrieved 2026-10-18.

PartsTable — the parts reference. Every fact cited to its source.

partstable.com/parts/6145-01-059-0391

✓ Data cited from the U.S. Government catalog; commercial cross-references from OEM and certified industry sources.

 PartsTable Design LLC · partstable.com